



1) Date: December 13, 1982  
 2) Operator's Well No. Maston #1  
 3) API Well No. 47 073 1573  
 State County Permit

DRILLING CONTRACTOR:

Paul Bertram  
Marietta, Ohio

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: 708' Watershed: Cow Creek  
 District: Jefferson County: Pleasants Quadrangle: Schultz
- 6) WELL OPERATOR Energex Oil & Gas Corp. 11) DESIGNATED AGENT Darrell Boice  
 Address P. O. Box 5306 Address P. O. Box 5306  
Vienna, WV 26101 Vienna, WV 26101
- 7) OIL & GAS ROYALTY OWNER John W. Maston et al. 12) COAL OPERATOR \_\_\_\_\_  
 Address Rt. #1 Address \_\_\_\_\_  
St. Marys, WV 26170
- 8) SURFACE OWNER SAME 13) COAL OWNER(S) WITH DECLARATION ON RECORD:  
 Address \_\_\_\_\_ Name \_\_\_\_\_  
 Address \_\_\_\_\_ Name \_\_\_\_\_  
 Acreage Nine (9) Name \_\_\_\_\_  
 Address \_\_\_\_\_
- 9) FIELD SALE (IF MADE) TO:  
 Address \_\_\_\_\_
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED  
 Name Robert Lowther Address General Delivery  
Middlebourne, WV 26140 Phone: 758-4764
- 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, Berea
- 17) Estimated depth of completed well, 2000 feet
- 18) Approximate water strata depths: Fresh, 100 feet; salt, 200 feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ / No

RECEIVED  
 OIL & GAS DIVISION  
 DEPT. 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	11"	ST-C	24		X	150	150	to surface	Kinds
Fresh water	8 5/8"	ST-C	24	X		700	700	fill-up 150'	Sizes
Coal									
Intermediate									
Production	4 1/2"	ST-C	9 1/2	X		2000	2000	fill-up above 2nd cow run	Depths set
Tubing									Perforations:
Liners									Top Bottom

- 21) EXTRACTION RIGHTS  
 Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 22) ROYALTY PROVISIONS  
 Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

Notary: Pamela Schultz  
 My Commission Expires 12-2-84

Signed: Darrell R. Boice  
 Its: Agent

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-073-1573 Date December 23 1982

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 August 23, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond: <u>Blanket</u>	Agent: <u>T.S.</u>	Plat: <u>M2</u>	Casing: <u>M2</u>	Fee: <u>097</u>
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T. J. M. B.  
 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 DEC 14, 1982

WELL NO. MASTON-1

API NO. 47 - 073 1573

State of West Virginia

Department of Mines

Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Energex Oil & Gas Corp.

DESIGNATED AGENT DARRELL BOICE

Address P. O. Box 5306, Vienna, WV 26105 Address P.O. Box 5306, Vienna, WV

Telephone (304) 295-8501

Telephone (304) 295-8501

LANDOWNER JOHN MASTON ET AL

SOIL CONS. DISTRICT \_\_\_\_\_

Revegetation to be carried out by Energex Oil and Gas Corporation (Age \_\_\_\_\_)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan: \_\_\_\_\_

(Date) 12/21/82

Kenneth E. Mason  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure Culvert (12" MIN) (A)

Structure \_\_\_\_\_

Spacing If Necessary

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Structure Stone (CRUSHED) (B)

Structure \_\_\_\_\_

Spacing If Necessary

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (C)

Structure \_\_\_\_\_

Spacing \_\_\_\_\_

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

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

REVEGETATION

Treatment Area I + II

Treatment Area II

Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5

Lime \_\_\_\_\_ Tons/acre  
or correct to pH \_\_\_\_\_

Fertilizer 500 lbs./acre  
(10-20-20 or equivalent)

Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)

Mulch 2 Tons/acre

Mulch \_\_\_\_\_ Tons/acre

Seed\* KY FESCUE 40 lbs/acre

Seed\* \_\_\_\_\_ lbs/acre

LADINE CLOVER 8 lbs/acre

\_\_\_\_\_ 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 DARRELL BOICE

ADDRESS P. O. Box 5306

Vienna, WV 26105

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

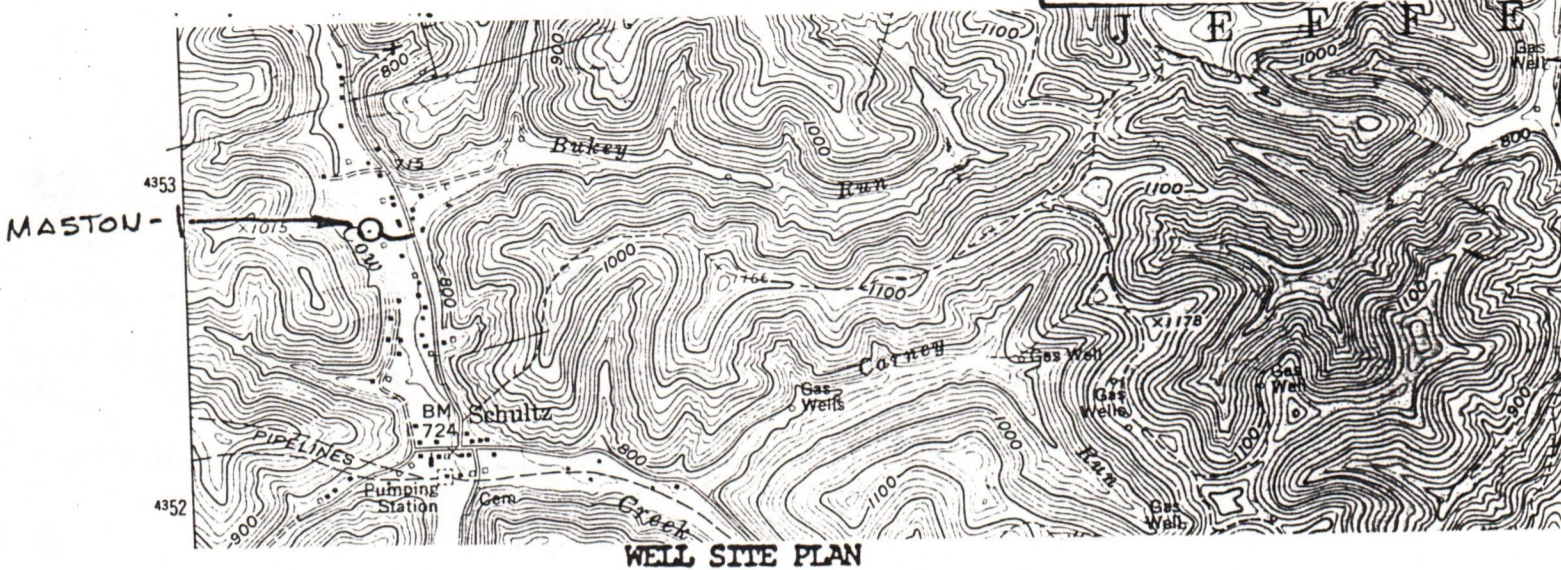
(REV 8-81)

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

LEGEND

Well Site ⊕

Access Road ———

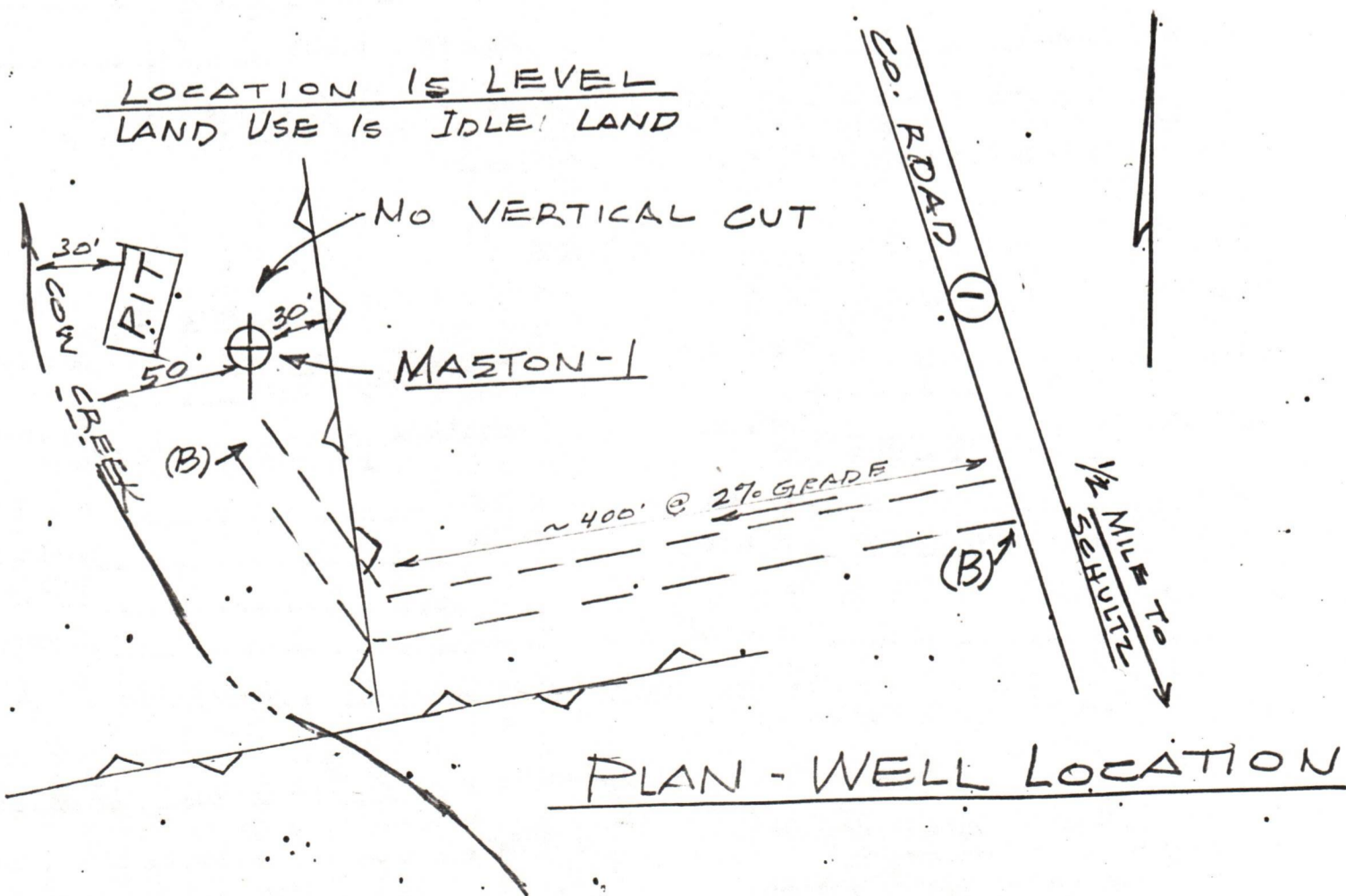


WELL SITE PLAN

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	←———→



# OIL AND GAS LEASE

BOOK 179 PAGE 77

AGREEMENT, made and entered into this 28th day of October A. D. 1982,  
by and between John W. Maston & Kathrine M. Maston - Husband & Wife - 1/3rd interest  
William E. McFarland & Genevieve McFarland - Husband & Wife - 1/3rd interest  
Clara M. Maston - Widow - 1/3rd interest

of R# 1, St. Marys, W.V. party of the first part, hereinafter called Lessor (whether one or more),  
and Energex Oil & Gas Corp. 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 constituents of either in and under the land hereinafter described, together with the exclusive right to drill for, produce and market oil and gas 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 District,  
County of Pleasants, State of West Virginia, and described as follows, to-wit: Bounded on the

NORTH by lands of Carl Hackathorn, et ux

EAST by lands of Board of Education (Schultz Community Building)

SOUTH by lands of James Cornell

WEST by lands of Paul Maston

Containing Nine (9) acres, more or less and being the same land conveyed to lessor by

by deed dated \_\_\_\_\_ and recorded in said county records in \_\_\_\_\_ Book No. \_\_\_\_\_ Page \_\_\_\_\_

2. It is agreed that this lease shall remain in force for a primary term of Six (6) months ~~xxx~~ 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 one-eighth (1/8) part of all oil produced and saved from the leased premises, and shall pay Lessor

one-eighth of all proceeds 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 Dollars per year on each 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.

4. The Lessee shall commence operations for a well on the premises on or before October 29th, 1982, unless Lessee pays thereafter a rental of \$1,800.00 for each Six (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 same as above direct, or by check payable to his (or her) order mailed to same as above, and no default shall be declared against the Lessee by the Lessor for failure of the Lessee to make any payment or perform any conditions provided for herein unless the Lessee shall refuse or neglect to pay or perform the same for ten days after having received written notice by registered mail from the Lessor of his intention to declare such default.

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.

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 stored gas. As full payment for such storage rights, the Lessee shall pay to the Lessor a rental at the rate of \_\_\_\_\_ per acre per year, while the premises are so used, and so long as the storage 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 unitize this lease with other leases to form a drilling unit or 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 herebefore 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 undivided fee simple estate therein, then the royalties 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 a house ~~the house~~ 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 also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises, including 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 bury its pipe lines below plow 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 as to any part or parts of the above described land and the assignee or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate to defeat or affect this lease insofar as it covers a part or parts of said 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 rentals or royalties shall be binding on the Lessee until after notice to the Lessee and it has been furnished with a written transfer or assignment or a certified 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 thereafter 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 any one of them by delivery of a duly executed surrender thereof in person or by mail addressed 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.

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 remain in force during the prosecution of such operations, and, if production results therefrom, then as long as oil or gas is produced in paying quantities.

This instrument prepared by Troy J. Allen

Oil and Gas Lease

TO

Date \_\_\_\_\_, 19\_\_

Acres \_\_\_\_\_

Location \_\_\_\_\_

County \_\_\_\_\_

State \_\_\_\_\_

Term \_\_\_\_\_

RECORDING DATA:

2:35 PM

RECEIVED FOR RECORD AND RECORDED IN THE OFFICE OF THE CLERK OF THE COUNTY COURT OF PLEASANTS COUNTY, WEST VA.

In Deed... Book No. 179  
Page... 77... Fee \$ 3.00... Paid

Sheldon W. Hammett  
CLERK PLEASANTS COUNTY COURT.

Notary Public, Justice of the Peace.

My commission expires \_\_\_\_\_

day of \_\_\_\_\_, A. D., 19\_\_  
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 \_\_\_\_\_, 19\_\_

Personally appeared before me, a Notary Public, \_\_\_\_\_, in and for said County of \_\_\_\_\_, STATE OF OHIO, \_\_\_\_\_

WITNESS:

Witness my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_  
do hereby sell, assign and transfer all of my right, title and interest in the within oil and gas lease on and to \_\_\_\_\_ For and in consideration of the sum of one dollar to me in hand paid, I \_\_\_\_\_

ASSIGNMENT OF LEASE

My Commission expires 12-2-84

Before me, a Notary Public in and for said county, personally appeared the above named John W. Maston, Katharin M. Maston, Clara M. Maston, by-Genevieve McFarland, William F. McFarland, and Genevieve McFarland that they did sign the foregoing instrument, and that the same is their free act and deed. In testimony whereof I have hereunto subscribed my name at St. Marys, WV, this 28th day of October, 19\_\_

STATE OF OHIO, COUNTY OF Wood

ACKNOWLEDGMENT

John W. Maston (SEAL)  
Katharine M. Maston (SEAL)  
Clara M. Maston (SEAL)  
William F. McFarland (SEAL)  
Genevieve McFarland (SEAL)  
John W. Maston 236-14-2729 (SEAL)  
Katharine M. Maston 234-60-7177 (SEAL)  
Clara M. Maston 236-44-5071 (SEAL)  
William F. McFarland 236-01-6209 (SEAL)  
Genevieve McFarland 233-84-3243 (SEAL)

Witness the hands and seals of the parties hereto the day and year first above written.  
I, \_\_\_\_\_, Notary Public, do hereby certify that the foregoing instrument was duly acknowledged before me and that the same is the free act and deed of the parties hereto.

15A. The Lessor will receive a 1/32 of 7/8 over-riding royalty. The Lessee may hereof shall extend to the respective heirs, executors, administrators, successors and assigns of the parties hereto. The terms, conditions and stipulations of this lease shall be as expressed herein and no other terms, conditions and stipulations shall be binding on the parties hereto.



IV-35  
(Rev 8-81)

Date April 6, 1984  
Operator's  
Well No. EN73-1573  
Farm Maston #1  
API No. 47-073-1573

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

LOCATION: Elevation: 708 Watershed Cow Creek  
District: Jefferson County Pleasants Quadrangle Shultz

COMPANY Energex Oil & Gas Corporation

ADDRESS P.O. Box 905, Marietta, OH 45750

DESIGNATED AGENT Sharon A. Barker

ADDRESS P.O. Box 46, Williamstown, WV

SURFACE OWNER John W. Maston, et al

ADDRESS Rt. 1, St. Marys, WV 26170

MINERAL RIGHTS OWNER Same

ADDRESS   

OIL AND GAS INSPECTOR FOR THIS WORK Robert

Lowther ADDRESS Middlebourne, WV

PERMIT ISSUED December 23, 1981

DRILLING COMMENCED January 17, 1983

DRILLING COMPLETED April 16, 1983

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	224'	224'	to surf.
9 5/8			
8 5/8	573	0	
7	827'	827'	500'
5 1/2	1422'	1422'	500'
4 1/2			
3	1944'	1944'	700'
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Sand Depth 1936 feet

Depth of completed well 1956 feet Rotary    / Cable Tools X

Water strata depth: Fresh 8 feet; Salt 280 feet

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

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1487 feet

Gas: Initial open flow 50 Mcf/d Oil: Initial open flow    Bbl/d

Final open flow 20 Mcf/d Oil: Final open flow    Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 270 psig (surface measurement) after 72 hours shut in

(If applicable due to multiple completion--)

Second producing formation N/A 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)

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

Perfs (1540'-42') 5 shots  
(1487'-91') 12 shots

Fractured with 500 gal. 15% Hcl  
and 15000 lbs. sand in 30# gel system.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
sandy-soil			0	10	water 8 ft.
red rock			10	25	
lime			25	50	water hole full 45'-50'
shale			50	82	
lime			82	95	
green-shale			95	145	
dark-shale			145	152	
sand-lime			152	162	water 280'
shale			162	252	
red-rock			252	275	
shale			275	300	
red rock			300	327	
shale			327	350	
red-rock			350	362	
shale		grey	362	425	
sand			425	445	
shale			445	495	
red rock			495	530	
shale			530	550	
red rock			550	577	
shale		grey	577	706	
sand			706	740	
shale		grey	740	827	
sand			827	866	
shale			866	960	
sand			960	991	
shale			991	997	
lime			997	1015	
shale			1015	1030	
sand			1030	1125	
shale			1125	1270	
sand			1270	1300	
shale		black	1300	1361	
sand			1361	1418	
broken sand			1418	1421	
sand			1421	1495	little gas 1423 - show oil
shale			1495	1915	
black-slate			1915	1936	
beresa-sand			1936	1940	
			T.D.	1956	

(Attach separate sheets as necessary)

ENERGEX OIL & GAS CORP.

Well Operator

By:

Date:

*Jed R. Hobbs*

04-24-84

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



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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1573

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company Energex Oil & Gas  
 Address Marietta O.  
 Farm John Maston  
 Well No. \_\_\_\_\_  
 District Jefferson County Pleasant  
 Drilling commenced 1-27-83  
 Drilling completed \_\_\_\_\_ Total depth 224  
 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	224	224	Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 10 SIZE 224 No. FT. 1-27-83 Date  
 NAME OF SERVICE COMPANY Haight inc  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names \_\_\_\_\_

Remarks: Cemented with 90 SKS Cement

1-27-83

DATE

R. A. Lowther

DISTRICT WELL INSPECTOR

Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

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

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

\_\_\_\_\_  
DISTRICT WELL INSPECTOR

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1573

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Energizer Oil &amp; Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Marietta O</u>	Size			
Farm <u>John W Maston</u>	16			Kind of Packer
Well No. <u>1</u>	13			
District <u>Jefferson</u> County <u>Pleasant</u>	10			Size of
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth <u>834</u>	6 5/8	<u>834</u>	<u>834</u>	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.				
Fresh water _____ feet _____ feet				
Salt water _____ feet _____ feet				

CASING CEMENTED 7 SIZE 834 No. FT 2-28-83 Date

NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Drillers' Names Cemented with 50 Bags neat cement about

Remarks: 75"-100" cement on outside of pipe when we lost circulation. could not get any more cement to circulate so shut Down. co will pressure Test cement before Drilling into production Formations

2-28-83  
DATE

R.A. Lowther  
DISTRICT WELL INSPECTOR

Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

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

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

DATE

DISTRICT WELL INSPECTOR

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1573

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Energies oil &amp; Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Marietta O</u>	Size			
Farm <u>John Maslon</u>	16			Kind of Packer _____
Well No. _____	13			Size of _____
District <u>Jefferson</u> County <u>Pleasant</u>	10			Depth set _____
Drilling commenced _____	6 5/8			Perf. top _____
Drilling completed _____ Total depth _____	5 3/16			Perf. bottom _____
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			
Volume _____ Cu. Ft.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Rock pressure _____ lbs. _____ hrs.	NAME OF SERVICE COMPANY _____			
Oil _____ bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers Names 3-3-83 perforated 7" casing & squeezed  
 30 SKS Cement behind 7" pressure Tested to 750  
 Remarks: PSI By Dowell 3-7-83 Bond log showed 80 Ft  
 Cement behind casing before squeeze job  
 after squeeze 500 Ft cement

3-7-83  
DATE

R.A. Lowther  
DISTRICT WELL INSPECTOR

Form 26  
2/16/82

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS WELLS DIVISION  
**INSPECTOR'S PLUGGING REPORT**

Permit No. \_\_\_\_\_ Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

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

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

\_\_\_\_\_  
DISTRICT WELL INSPECTOR

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

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OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1573

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>Energex Oil &amp; Gas</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address <u>Marietta O</u>	Size			
Farm <u>John Maston</u>	16			Kind of Packer _____
Well No. _____	13			
District <u>Jefferson</u> County <u>DeWants</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth <u>1376</u>	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16	<u>1376</u>	<u>1376</u>	
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>5 3/16</u> SIZE <u>1376</u> No. FT <u>3-19-83</u> Date			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Dowell</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

3-23-83  
DATE

R.A. Lowther  
DISTRICT WELL INSPECTOR

Form 26  
2/16/82

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

# INSPECTOR'S PLUGGING REPORT

Permit No. \_\_\_\_\_

Well No. \_\_\_\_\_

COMPANY \_\_\_\_\_ ADDRESS \_\_\_\_\_

FARM \_\_\_\_\_ DISTRICT \_\_\_\_\_ COUNTY \_\_\_\_\_

Filling Material Used \_\_\_\_\_

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

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

\_\_\_\_\_ DISTRICT WELL INSPECTOR





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

**RECEIVED**  
JUN 27 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
May 30, 1984

COMPANY Energex Oil & Gas Corporation PERMIT NO 073-1573 (12-23-82)  
P. O. Box 905 FARM & WELL NO John Maston #1  
Marietta, Ohio 45750 DIST. & COUNTY Jefferson/Pleasants

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 R. A. Lowther  
DATE June 25, 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. H. ...  
Administrator-Oil & Gas Division

July 19, 1984

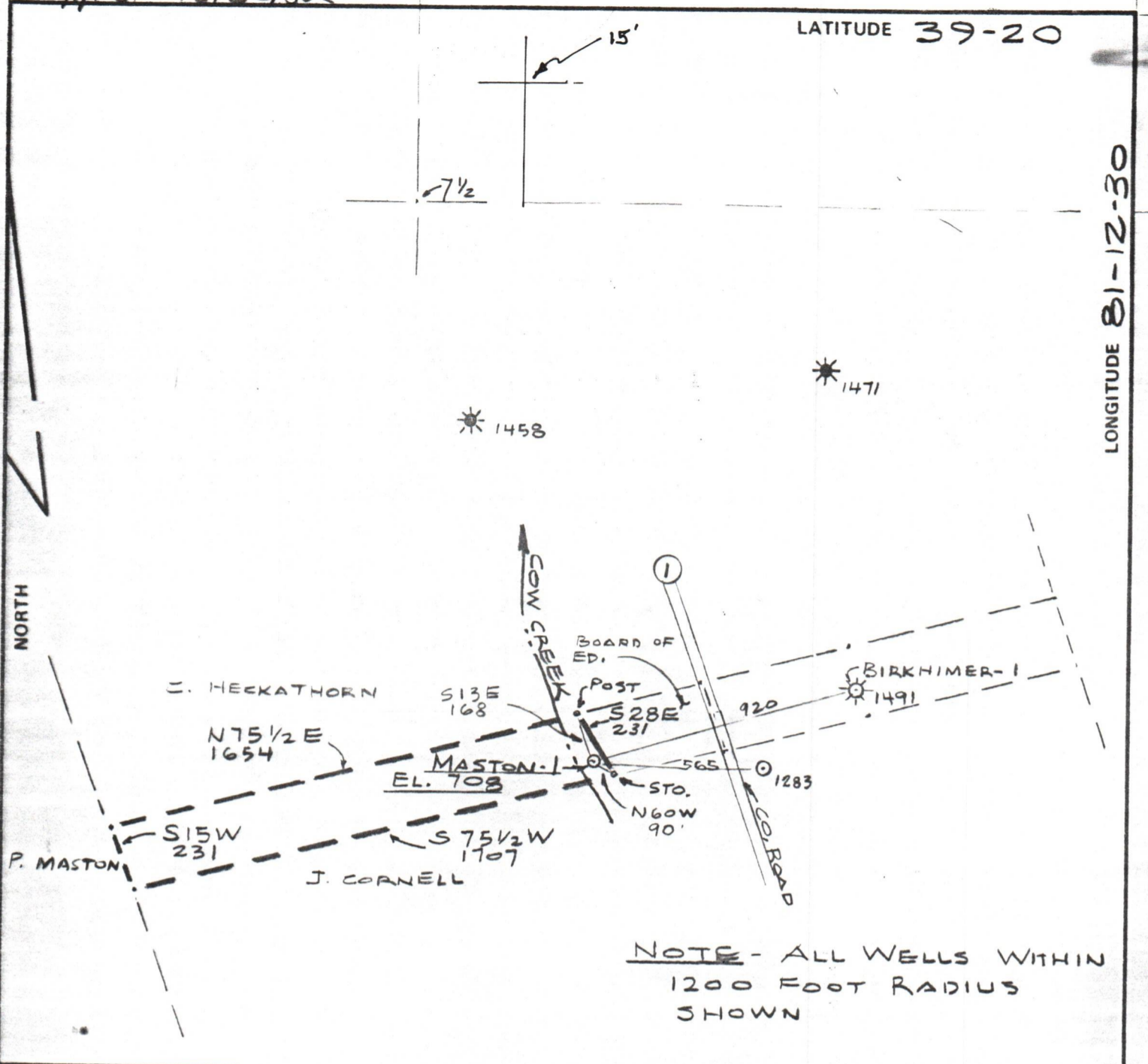
DATE

M.S. 12/22/82

9910

LATITUDE 39-20

LONGITUDE 81-2-30



NOTE - ALL WELLS WITHIN 1200 FOOT RADIUS SHOWN

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION USGS BM  
ELEV. 703

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) Darrell 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)



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE Nov. 30, 19 82  
 OPERATOR'S WELL NO. MASTON-1  
 API WELL NO. 47-073-1573  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 708 WATER SHED COW CREEK  
 DISTRICT JEFFERSON COUNTY PLEASANTS  
 QUADRANGLE SCHULTZ 7 1/2  
 SURFACE OWNER JAMES W. MASTON HRS ACREAGE 9  
 OIL & GAS ROYALTY OWNER JAMES W. MASTON HRS LEASE ACREAGE 9  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BEREA ESTIMATED DEPTH 2000  
 WELL OPERATOR ENERGEX OIL+GAS DESIGNATED AGENT DARRELL R. BOICE  
 ADDRESS P.O. BOX 5306 VIENNA, W.VA. 26105 ADDRESS P.O. BOX 5306 VIENNA, W.VA. 26105

PLEAS - 1573