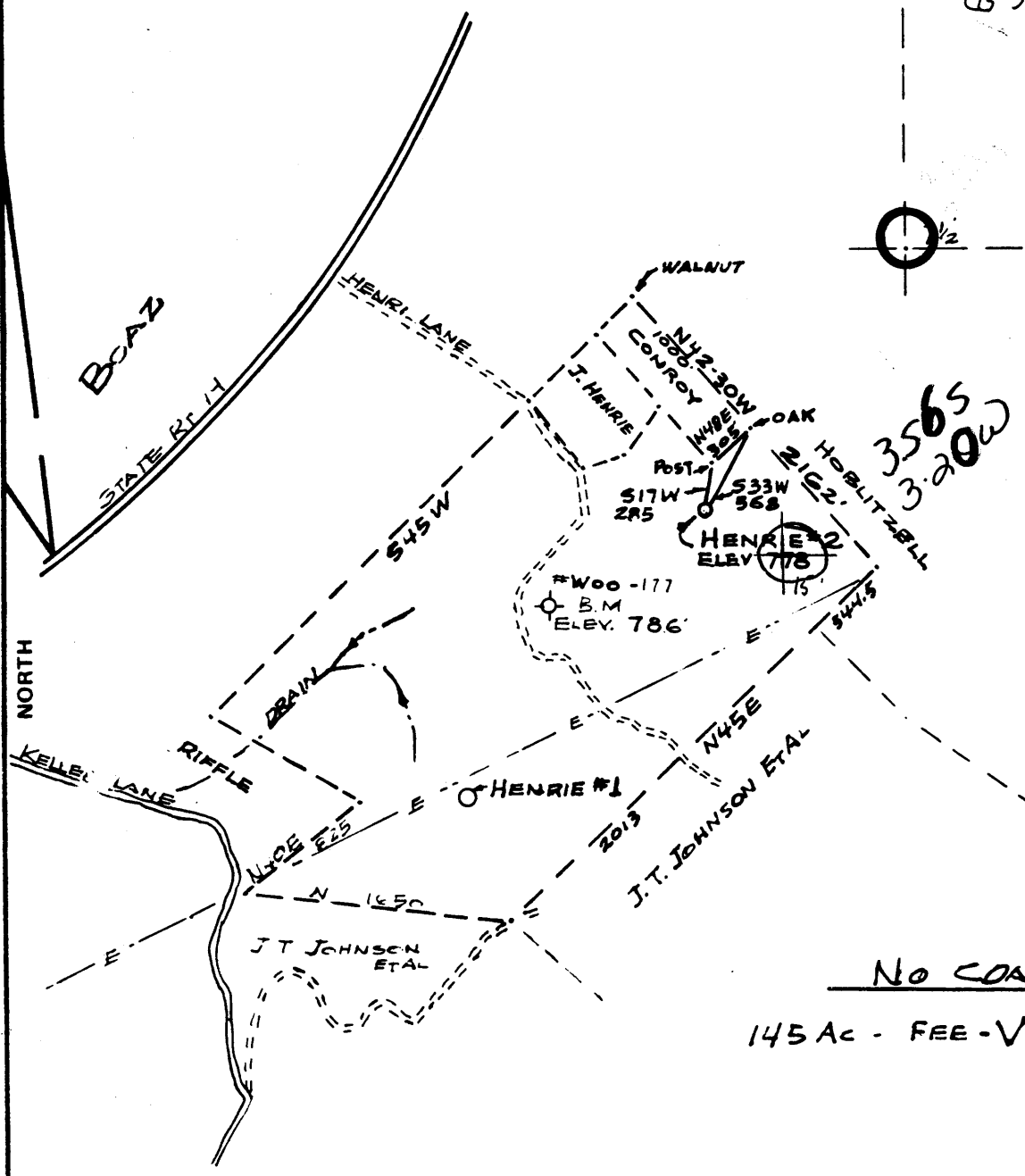


LATITUDE 39-22-30
(15') (39° 25')

LONGITUDE 81-27-30
(15') (81° 25')

3610



3565
3370W

NO COAL
145 AC - FEE-VIOLET HENRIE

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION WELL # W00-177
ELEV. 786

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) Danell 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 _____, 19____
 OPERATOR'S WELL NO. _____
 API WELL NO. 47-107-1188
 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 778 WATER SHED OHIO RIVER
 DISTRICT WILLIAMS COUNTY WOOD
 QUADRANGLE VALLEY MINE MARSHALL'S W
 SURFACE OWNER VIOLET HENRIE ACREAGE 145
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 145
 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) _____

DEC 4 1981

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION SHALE ESTIMATED DEPTH 4000'
 WELL OPERATOR ENERGEX OIL & GAS DESIGNATED AGENT WALTER ALLEN
 ADDRESS P.O. BOX 5306 ADDRESS P.O. BOX 5306
VIENNA, WEST VIRGINIA 26105 VIENNA, W. VA. 26105

IV-35
(Rev 8-81)



Date May 21, 1984
 Operator's
 Well No. 2
 Farm Henrie
 API No. 47-107-1188

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 X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 778' Watershed Ohio River
 District: Williams County Wood Quadrangle Valley Mills

COMPANY Energex Oil and Gas Corp.
 ADDRESS Box 905 Marietta, OH 45750
 DESIGNATED AGENT Sherry Barker
 ADDRESS Box 905 Marietta, OH 45740
 SURFACE OWNER Violet Henrie
 ADDRESS Rt. #1, Williamstown, WV 26187
 MINERAL RIGHTS OWNER Ralph Henrie
 ADDRESS Rt. #1, Belleville, WV 26133
 OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt. #1, Box 65, Sand Ridge
 PERMIT ISSUED November 16, 1981 WV
 DRILLING COMMENCED December 3, 1981
 DRILLING COMPLETED December 8, 1981

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	240'	240'	To Surface
7			
5 1/2			
4 1/2		3558'	125 SKS.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4000 feet
 Depth of completed well 3558 feet Rotary X / Cable Tools
 Water strata depth: Fresh 186 feet; Salt 513 feet
 Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3390 feet
 Gas: Initial open flow 30 Mcf/d Oil: Initial open flow None Bbl/d
 Final open flow 15 Mcf/d Final open flow None Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 630 psig (surface measurement) after 60 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)

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

26 SHOTS

all in
Huron

3390'-3392' 2 SHOTS
3397'-3399' 2 SHOTS
3408'-3412' 4 SHOTS
3432'-3434' 2 SHOTS
3446'-3448' 2 SHOTS
3450'-3452' 2 SHOTS
3456'-3460' 4 SHOTS
3464'-3466' 2 SHOTS
3484'-3486' 2 SHOTS

3488'-3490' 2 SHOTS
3504'-3506' 2 SHOTS

Fractured with 1,000,000 cu. ft. of Nitrogen.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand and Shale			0	250	
Shale			250	308	
Sand			308	336	
Shale			336	348	
Sand			348	360	
Shale			360	380	
Sand			380	394	
Shale			394	478	
Sand			478	532	
Shale			532	564	
Sand			564	578	
Shale			578	600	
Sand			600	694	
Shale			694	710	
Sand			710	728	
Shale			728	768	
Sand			768	780	
Shale			780	856	
Sand			856	874	
Shale			874	882	
Sand			882	890	
Shale			890	894	
Sand			894	916	
Shale			916	936	
Sand			936	964	
Shale			964	970	
Sand			970	1022	
Shale			1022	1056	
Sand			1056	1088	
Shale			1088	1106	
Sand			1106	1122	
Shale			1122	1148	
Sand			1148	1170	
Shale			1170	1236	
Sand			1236	1296	
Shale			1296	1366	
Sand			1366	1490	
Shale			1490	1500	
Sand			1500	1538	
Shale			1538	1574	
Big Injun			1574	1832	
Gray Shale			1832	1988	
Coffee Shale		1988	2094		
Berea		2094	2098		
Devonian Shale		2098	3558		
Gas					

(Attach separate sheets as necessary)

Energex Oil and Gas Corp.

Well Operator

By:

Robert E. Kiehl, President

Date:

May 21, 1984

TD in upper Huron

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."



well no. 2
 Farm Henrie
 API # 47-107-1188
 Date November 16, 1981

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 778 Watershed: Ohio River
 District: Williams County: Wood Quadrangle: Valley Mills

WELL OPERATOR ENERGEX OIL & GAS CORP.
 Address POB 5306
Vienna, WV 26105

DESIGNATED AGENT Walter H. Allen
 Address POB 5306
Vienna, WV 26105

OIL AND GAS ROYALTY OWNER Ralph W. Henrie
 Address Route #1,
Belleville, WV 26133
 Acreage 145

COAL OPERATOR N/A
 Address _____

SURFACE OWNER Violet Henrie
 Address Route #1 Boaz
Williamstown, WV
 Acreage 145

COAL OWNER(S) WITH DECLARATION ON RECORD:
 NAME N/A
 Address _____
 NAME _____
 Address _____

FIELD SALE (IF MADE) TO:
 NAME N/A
 Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
 NAME N/A
 Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Deo Mace
 Address Route #1, Box 65
Sandridge, WV
 Telephone 304-665-8693

RECEIVED

NOV 20 1981

OIL AND GAS DIVISION
 WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated 4/7/81, 1981, to the undersigned well operator from Ralph Henrie.

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

Recorded on April 7, 1981, in the office of the Clerk of County Commission of Wood County, West Virginia, in 762 Book at page 206. A permit is requested as follows:

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

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

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
 WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
 1613 WASHINGTON ST., E.
 CHARLESTON, WV 25311
 Telephone - 304/348-3092

ENERGEX OIL & GAS CORPORATION
 Well Operator.

BLANKET BOND

By: Samuel R. Boice
 Its: AGENT

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Paul Drilling Corporation

Address POB 1365

Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION MARCELLUS Devonian Shale

Estimated depth of completed well 4,000 feet. Rotary X / Cable tools /

Approximate water strata depths: Fresh, 200 feet; salt, 600 feet.

Approximate coal seam depths: None

Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor									Kinds
Fresh water	8-5/8	ST&C	24	X		250	250	To Surface	
Coal									Sizes
Intermed.									
Production	4-1/2	ST&C	9-1/2	X			4000	125 SKS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved

for Drilling. This permit shall expire if operations have not commenced by 7-20-82.


Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .

By:

