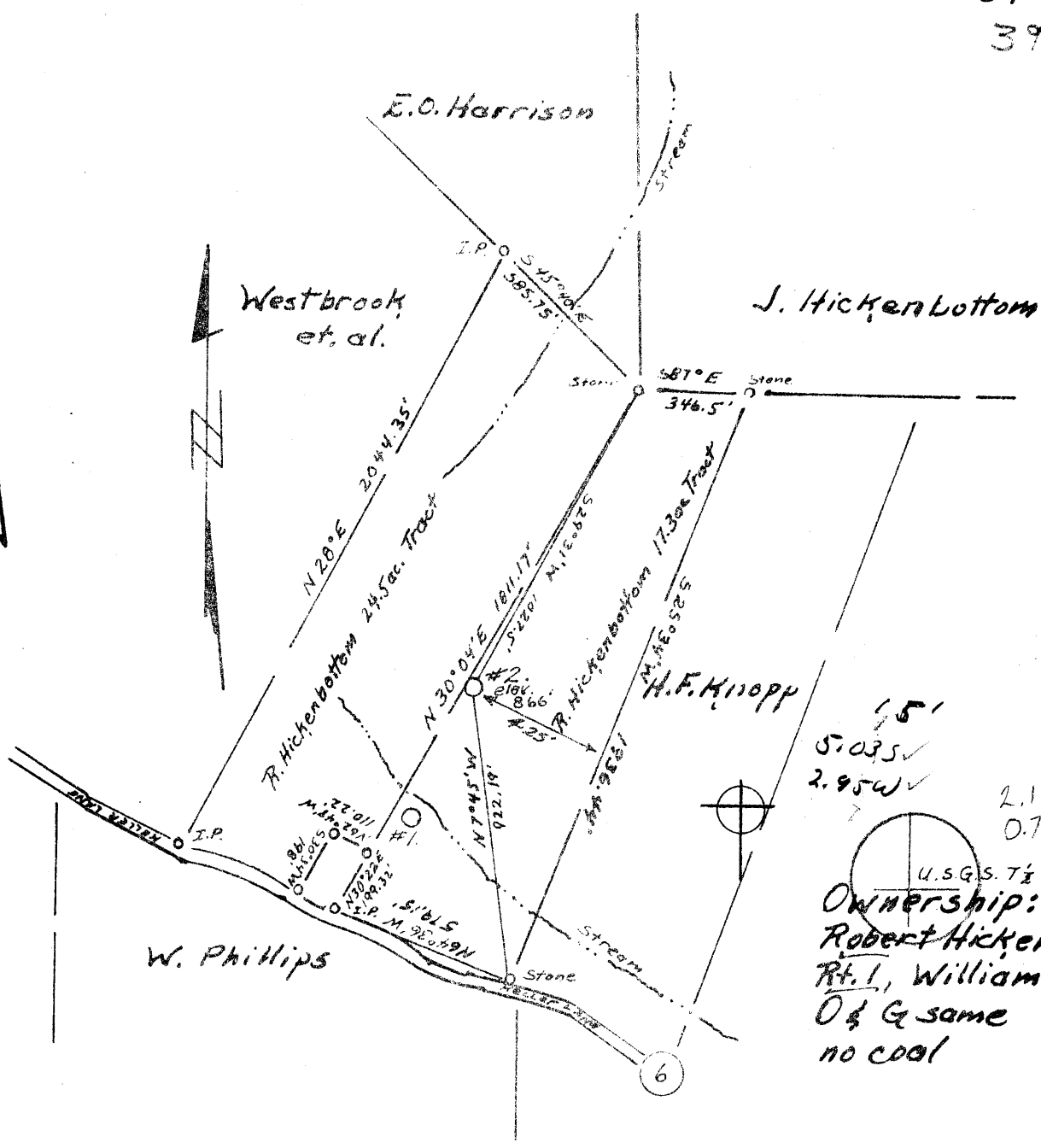


NORTH



15'
570.35'
2.95W
2.135'
0.74W
U.S.G.S. 7 1/2'
Ownership:
Robert Hickenbottom
Rt. 1, Williamstown
O & G same
no coal

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION R. Hickenbottom #1
(elev. 819')

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] Surveyed by: John C. Snider
R.P.E. 1227 L.L.S. 200

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 - 0955
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 866' WATER SHED Big Run
DISTRICT Williams COUNTY Wood
QUADRANGLE Valley Mills USGS 7 1/2' Marietta WC
SURFACE OWNER Robert Hickenbottom ACREAGE 41.8
OIL & GAS ROYALTY OWNER same LEASE ACREAGE 17.3
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 Oriskany ESTIMATED DEPTH 5000'
WELL OPERATOR J. H. Beal Associates DESIGNATED AGENT B. H. Thomas
ADDRESS P.O. Box 1365 ADDRESS 225 4th St.
Parkersburg, W.V. 26101 Parkersburg, W.V. 26101

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: HICKENBOTTOM, ROBERT Operator Well No.: 2

LOCATION: Elevation: 866.00 Quadrangle: VALLEY MILLS

District: WILLIAMS County: WOOD
Latitude: 11250 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 3900 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: ENERGETX OIL & GAS CO.
P. O. BOX 905
MARIETTA, OH

Agent: GERALD TOWNSEND

Inspector: GLEN P. ROBINSON
Permit Issued: 03/07/80
Well work Commenced: unknown
Well work Completed: 04/26/81 ✓
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5005'
Fresh water depths (ft) 227'
Salt water depths (ft) 554'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size			
13 - 10"	250'	250'	surface
8 5/8"	1850'	1850'	through Injun
4 1/2"		5000'	150 sks.

RECEIVED
OCT 07 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 4735-4760
Gas: Initial open flow 0 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow (15) MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure unknown psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Robert D. Johnson, President
ENERGETX OIL & GAS CO. OCT 17 1988

By: [Signature]
Date: 10/3/88

OCT 17 1988

Information regarding perforating, fracturing and physical change is not found in our files and is unavailable to us.

	unavailable to us	
Upper Formations	2100'	2130'
Sand and Shale	2130'	2154'
Sunbury Shale	2154'	2475'
Shale	2475'	2510'
Gordon	2510'	3744'
Upper Huron	3744'	4000'
Lower Huron	4000'	4070'
Java ok-top	4070'	4410'
Angola	4410'	4670'
Rhinestreet	4670'	4735'
Sonyea	4735'	4760'
Oriskany	4760'	5005'
Big Lime <i>Helderberg</i>		

RECEIVED
OCT 07 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

TD

9867



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

MAR - 3 1980
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE 2-21-80

Surface Owner Robert Hickenbottom Company J. H. Beal Associates
 Address Rt. 1, Box 206, Williamstown Address 225 4th St., Parkersburg, W. V.
 Mineral Owner Same Farm Robert Hickenbottom Acres 41.8
 Address _____ Location (waters) Big Run
 Coal Owner Same Well No. Two (2) Elevation 866
 Address _____ District Williams County Wood
 Coal Operator Same Quadrangle Valley Mills U.S.G.S. 7 1/2'
 Address _____

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 11-7-80.

INSPECTOR
TO BE NOTIFIED Paul Goodnight
ADDRESS Smithville, W. V. 26178
PHONE 477-3660

Robert H. Beal
Deputy Director - Oil & Gas Division

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 April 2, 19 79 by Robert Hickenbottom made to Energex Corporation and recorded on the 23 day of April 1979, in Wood County, Book 719 Page 529

XX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ 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.

Very truly yours, J. H. Beal Associates

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

(Sign Name) John C. Snider, Agent
Well Operator

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

Address of Well Operator

225 4th St.
Street
Parkersburg,
City or Town
West Virginia
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.

BLANKET BOND

47-107-0955

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22 Article 4, Section 12-b and will carry out the specified requirements."

Signed by John C. Snider, Agent

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Stalnaker Drilling Co. NAME B. H. Thomas
 ADDRESS Letter Gap, West Virginia ADDRESS 225 4th St. Parkersburg, W. V.
 TELEPHONE 462-7092 TELEPHONE 422-5418
 ESTIMATED DEPTH OF COMPLETED WELL: 5000 ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL X GAS X COMB. XX 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 (11")	250'	250'	Circ. to surface
9 - 5/8			
8 - 5/8	1850'	1850'	(Through the Injun)
7			
5 1/2			
4 1/2		2200'	150 sacks
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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.

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