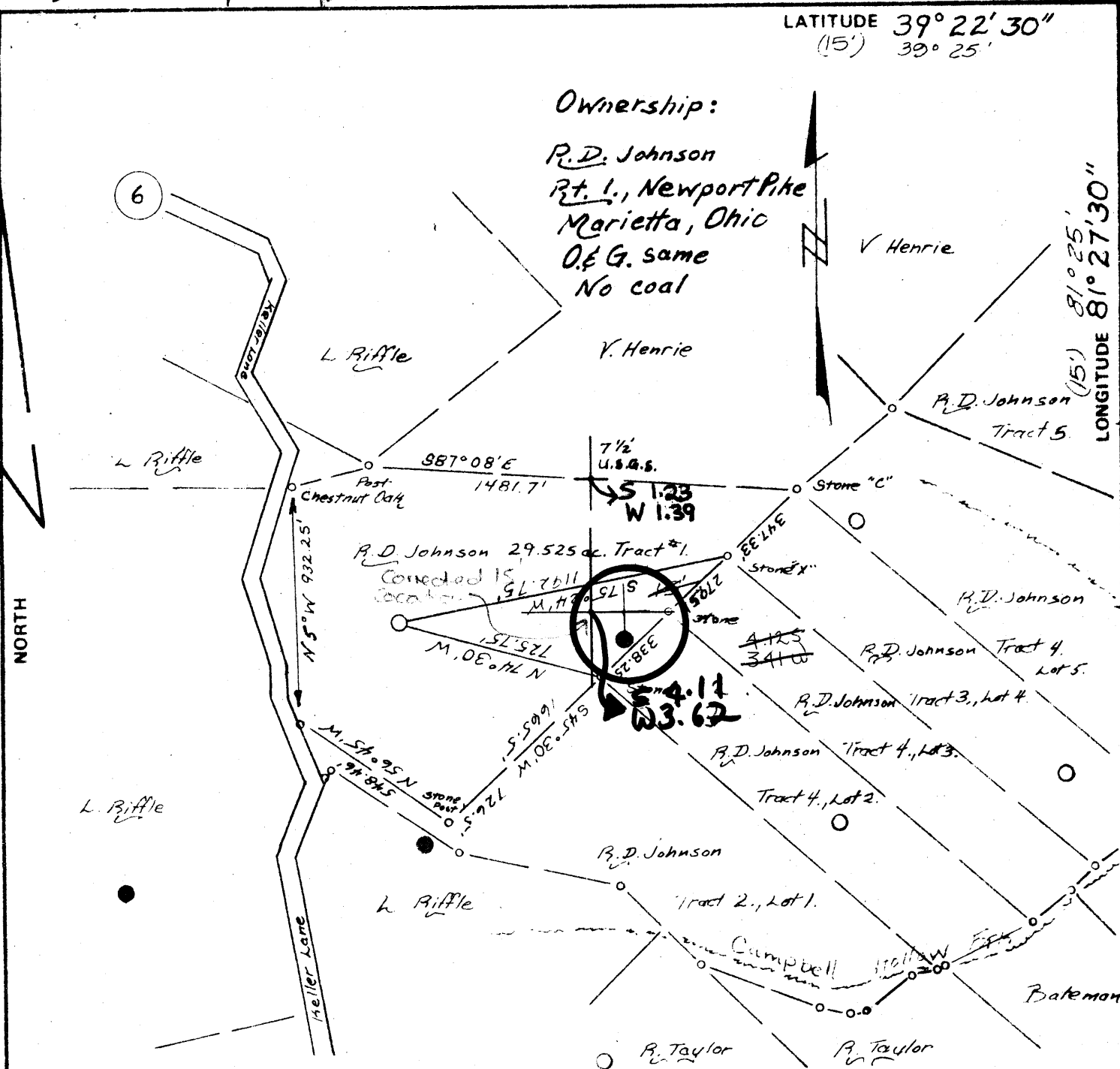


LATITUDE 39° 22' 30"
(15) 39° 25'

LONGITUDE 81° 27' 30"
(15) 81° 25'

Ownership:
R.D. Johnson
Rt. 1., Newport Pike
Marietta, Ohio
O.G. same
No coal



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION 649 @ Rt. 14 Boaz (Johnson #1, 842)

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. _____ L.L.S. _____

PLACE SEAL HERE

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



DATE _____, 19____
OPERATOR'S WELL NO. 2
API WELL NO. _____
47 - 107 - 0950
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 850GL TO WATER SHED Big Run
DISTRICT Williams COUNTY Wood
QUADRANGLE Valley Mills U.S.G.S. 7 1/2, MARIETTA 15' WC
SURFACE OWNER J.T. JOHNSON et al ACREAGE 2.35
OIL & GAS ROYALTY OWNER J.T. JOHNSON et al LEASE ACREAGE 29.525
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

1-35



IV-35
(Rev 8-81)

JAN 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date January 15, 1982
Operator's
Well No. Johnson #2
Farm J. T. Johnson
API No. 47-107-950

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

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

LOCATION: Elevation: 791' ^{850-GL-CLA top 10/7/88} Watershed Jackson Fork
District: Williams County Wood Quadrangle Valley Mills

COMPANY Energex Oil & Gas Corporation
ADDRESS POB 5306, Vienna, WV 26105
DESIGNATED AGENT Walter H. Allen, Gen. Mgr.
ADDRESS POB 5306, Vienna, WV 26105
SURFACE OWNER J. T. Johnson, etal
ADDRESS c/o First Colony Corp., Newport Pike
MINERAL RIGHTS OWNER Same
ADDRESS Same
OIL AND GAS INSPECTOR FOR THIS WORK Paul
Goodnight ADDRESS Smithville, WV
PERMIT ISSUED 2/13/80
DRILLING COMMENCED 2/13/80
DRILLING COMPLETED 2/28/80
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.			
11'	250'	250'	Circ. to Surf.
9 5/8			
8 5/8	1855'	0	
7			
5 1/2			
4 1/2		2600'	1600'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand (Lower Devonian) Depth 4924 feet
Depth of completed well 4984 feet Rotary X / Cable Tools
Water strata depth: Fresh ^(Base) 556 feet; Salt ^(Top) 371 feet (Taken from W.V.G.S. Map)
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Thirty foot Pay zone depth 2454-2464 feet
Gas: Initial open flow - Mcf/d Oil: Initial open flow - Bbl/d
Final open flow 50 Mcf/d Final open flow - Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 250 psig (surface measurement) after 24 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

FEB 01 1982

(Continue on reverse side)

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

PERFORATIONS: 2454-2456': 4 Shots/ 2458-2460': 3 Shots/ 2462-2464': 2 Shots

FRAC JOB: Dowell: Water Frac → 60,000 lb. Sand/600 bbl H₂O.

WELL LOG Schlumberger - Comp. Dens.
- Ind/Gr.
- Audio/Gr.

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Big Injun			1787'	1910'	Log Top
Weir			2068'	2092'	
Berea			2142'	2159'	Show Oil & Gas
Gantz			2214'	2230'	
Fifty-Foot			2326'	2370'	
Thirty-Foot			2410'	2431'	
Gordon Stray			2531'	2543'	Show Gas
Gordon*			2557'	2577'	
Fourth			2599'	2609'	
Fifth			2682'	2699'	
Chemung, Brailer & Harrell Silts & Shales			2830'	4615'	
Marcellus			4615'	4694'	
Onondaga-(Corniferous)			4694'	4848'	
<u>Oriskany</u> 4984 487 2577 <u>2407 expl. ftg.</u>			4848'	4870'	Show Gas T.D. @ 4984'

* This classification system assumes the Gordon is 400' below the top of the Berea.

(Attach separate sheets as necessary)

ENERGEX OIL & GAS CORPORATION

Well Operator

By: Robert A. Williams

Date: January 15, 1982

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

RECEIVED

FEB 12 1980

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner J. T. JOHNSON, Etal.
C/O First Colony Corp.
 Address Newport, Pike Marietta, OH 45750
 Mineral Owner Same
 Address _____
 Coal Owner Same
 Address _____
 Coal Operator None
 Address _____

DATE 2-11-80
 Company J. H. BEAL ASSOCIATES
 Address 225 4th St., Parkersburg, WV 26101
 Farm J. T. Johnson Acres 235
 Location (waters) Jackson Fork
 Well No. 2 (two) Elevation 850-6-791'
 District Williams County Wood
 Quadrangle Valley Mills

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 10-13-80.

Robert H. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
 TO BE NOTIFIED Paul Goodnight
 ADDRESS Smithville, WV
 PHONE 477-3660

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 9, 1979 by J.T. Johnson, etal made to Energex Corporation and recorded on the 23rd. day of April 19 79 in Wood County, Book 719 Page 525

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.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

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

Address of Well Operator

Very truly yours, J. H. BEAL ASSOCIATES
 (Sign Name) John C. Guider Agent
 Well Operator
225 Fourth Street
 Street
Parkersburg,
 City or Town
West Virginia 26101
 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

47-105-0950 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. Guider 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 Company NAME B. H. Thomas
 ADDRESS Letter Gap, WV ADDRESS 225 Fourth St. Parkersburg, W
 TELEPHONE _____ TELEPHONE (304) 422-5418
 ESTIMATED DEPTH OF COMPLETED WELL: 5000' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT LIFT UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 11"	250'	250'	Circ. to Surf.
9 - 5/8			
8 - 5/8 Thru the Injun - Approx. 1900'		-0-	
7			
5 1/2			
4 1/2		5,000	125 Sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? _____

TO DRILL:

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

TO DRILL DEEPER OR REDRILL:

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

TO FRACTURE - STIMULATE:

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

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

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

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