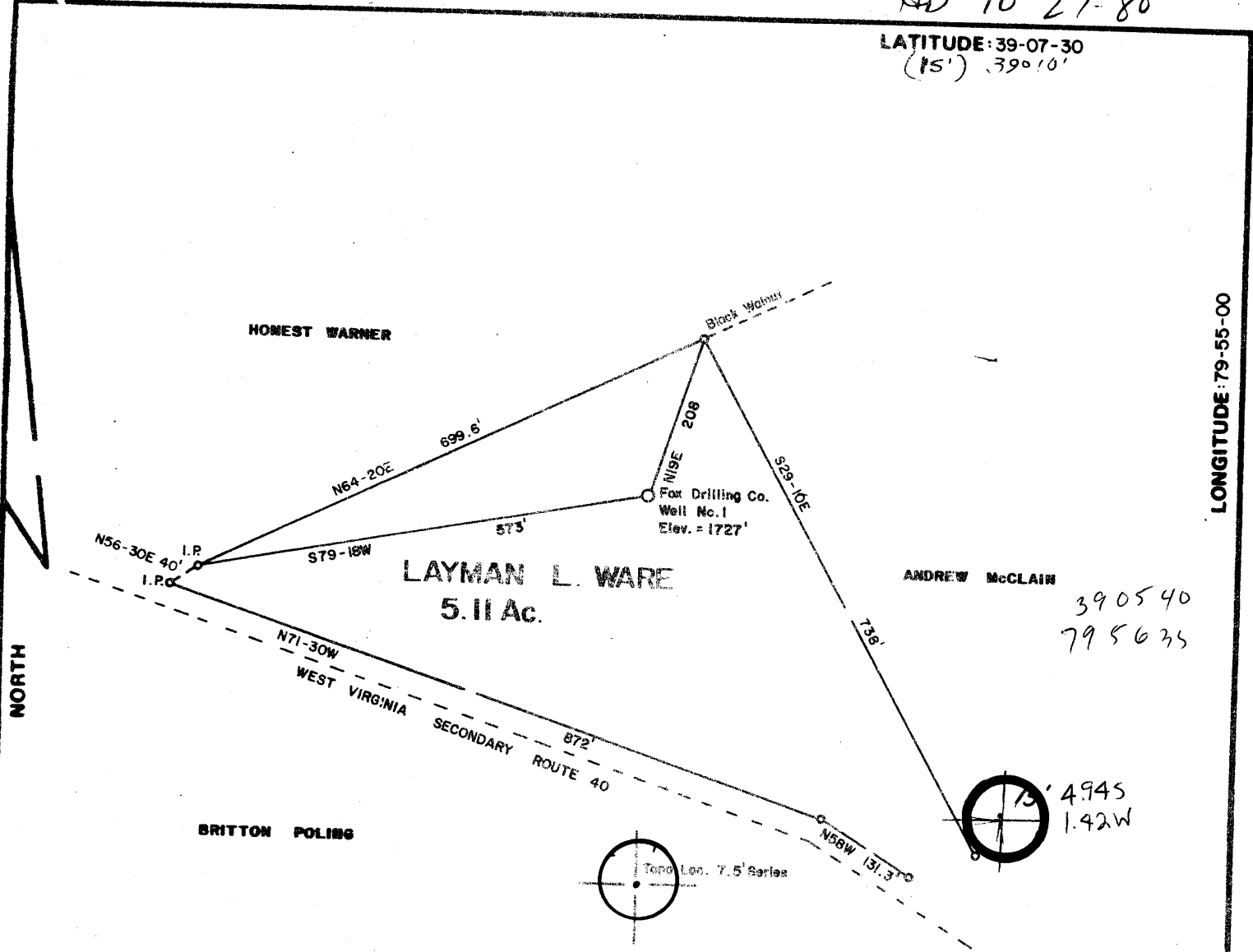


LATITUDE: 39-07-30
(15') 39°10'

LONGITUDE: 79-55-00



Surface, Oil, & Gas: Layman L. Ware, et ux, Belington, W.V. 26250.
 Coal: Eastern Associated Coal Corp. Koopers Bldg., Pittsburgh, Pa. 15219.

39 05 40
79 56 35

4.945
1.42W

FILE NO. _____
 DRAWING NO. _____
 SCALE 1 inch = 200 feet
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION Jct. of Roads 1200' W of Location, Elev. = 1684'

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) Mark C. Echard
 MARK C. ECHARD
 R.P.E. _____ L.L.S. 490

PLACE SEAL HERE

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



DATE OCTOBER 6, 19 80
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
47 - 001 - 1475
 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 1727' WATER SHED SUGAR CREEK
 DISTRICT BARKER COUNTY BARBOUR
 QUADRANGLE BELINGTON 7.5' & 15' WC

SURFACE OWNER LAYMAN L. WARE, et ux ACREAGE 5.11
 OIL & GAS ROYALTY OWNER LAYMAN L. WARE, et ux LEASE ACREAGE 5.11
 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 _____ 6-4
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5500' ± BELINGTON
 WELL OPERATOR FOX DRILLING COMPANY DESIGNATED AGENT MR. ROBERT E. FOX
 ADDRESS P.O. BOX 129 ADDRESS P.O. BOX 129
GLENNVILLE, W.V. 26351 GLENNVILLE, W.V. 26351

297
NOV 17 1980



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil _____
 Cable _____ Gas
 Recycling _____ Comb. _____
 Water Flood _____ Storage _____
 Disposal _____ (Kind) _____

Quadrangle Belington 7.5

Permit No. 47-001-1475

Company Fox Drilling Co. Inc.
 Address P.O. Box 129 Glenville, WV
 Farm Layman Ware Acres 5.1
 Location (waters) Sugar Creek
 Well No. One Elev. 1727
 District Barker County Barbour
 The surface of tract is owned in fee by _____
L. Ware
 Address Belington, WV
 Mineral rights are owned by Same
 _____ Address _____
 Drilling Commenced 5/21/81
 Drilling Completed 5/7/81
 Initial open flow 200M cu. ft. ---- bbls.
 Final production 750M cu. ft. per day show bbls.
 Well open 4 hrs. before test 1300 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	1050	1050	300 sks.
7			
5 1/2			
4 1/2	5441	5441	765 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

BPAL Fox, Haverty, 2nd Elk---500 gal Hcl, (45,000#--80-100), (20,000#--20-40)
 1st Elk, Benson, Riley--500 gal Hcl (35,000#--80-100), (35,000#--20-40)
 Balltown--500 gal Hcl, (15,000#--80-100), (35,000#--20-40)
 Bayard, 5th Sand--500 gal Hcl, (20,000#--80-100), (40,000#--20-40)

Coal was encountered at 165 Feet _____ Inches
 Fresh water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand See treatment Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Limestone			0	61		
Sand & Shale			61	156		
Coal			156	159		
Sand, Shale, Red Rock			159	1345		
Big Lime			1345	1500		
Big Injun			1500	1560		
Sand & Shale			1560	2085		
Gordon			2085	2120		
Sand & Shale			2120	2305		
5th Sand			2305	2360		
Sand & Shale			2360	2510		
Bayard			2510	2550		
Sand & Shale			2550	2870		
Balltown			2870	2890		
Sand & Shale			2890	3950		
Benson			3950	4000		
Sand & Shale			4000	4130		
1st Elk			4130	4170		
Sand & shale			4170	5120		
Haverty			5120	5180		
Sand & Shale			5180	5355		
Fox Sand			5355	5370		
Shale <u>BPAL</u>			5370	5323 TD		

RECEIVED

JAN 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

10 @ 600 + 54-11
Otr 4 1/2 csg

(over)

FEB 01 1982

* Indicates Electric Log tops in the remarks section.

1528
drill TD on log 5521



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 24 1980

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE October 13, 1980

Surface Owner Layman L. Ware, et ux
Address Rt. 2, Box 42A, Belington, WV 26250
Mineral Owner Layman L. Ware, et ux
Address Rt. 2, Box 42A, Belington, WV 26250
Coal Owner Eastern Associated Coal Corp.
Address Koopers Bldg., Pittsburgh, PA. 15219
Coal Operator NO coal being mined
Address _____

Company Fox Drilling Co., Inc.
Address P.O. Box 129, Glenville, WV 26351
Farm Layman L. Ware, et ux Acres 5.11
Location (waters) Sugar Creek
Well No. 1 Elevation 1727'
District Barker County Barbour
Quadrangle Belington 7.5'

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 6-28-81 .

INSPECTOR
TO BE NOTIFIED Robert Stewart
ADDRESS Jane Lew, WV
PHONE 884-7782

Frederic B. Brundage
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 July 7 19 80 by Layman L. Ware made to Robert E. Fox and recorded on the 9th day of July 19 80 in Barbour County, Book 84 Page 183
XXX 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, Fox Drilling Co., Inc.
(Sign Name) Robert E. Fox President
Well Operator

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

P.O. Box 129
Street
Glenville
City or Town
WVa. 26351
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

47-001-1475 PERMIT NUMBER

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

Signed by Robert E. Fox President

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

PROPOSED WORK ORDER TO XXX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Fox Drilling Co., Inc. NAME Robert E. Fox
 ADDRESS P.O. Box 129, Glenville, WV 26351 ADDRESS P.O. Box 129, Glenville, WV 26351
 TELEPHONE 462-7353 TELEPHONE 462-7353
 ESTIMATED DEPTH OF COMPLETED WELL: 5500' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS XXX COMB. _____ 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	30 ft.	30 ft.	
9 - 5/8			
8 - 5/8	950 ft.	950 ft.	250 sks.
7			
5 1/2			
4 1/2		5500' ft.	700 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 350 _____, 450 _____
 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 Eastern Assoc. Coal Corp. 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 Eastern Assoc. Coal Corp. 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.

Richard D. Eady Jr.
For Coal Company
Manager et Proprietor
Official Title