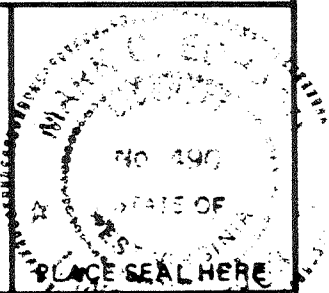


2.795
1.37W

LONGITUDE 80° 05' 00"

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/5000
PROVEN SOURCE OF ELEVATION USGS BM LYNN CHAPEL 1761' SE OF LOCATION, ELEV. 1026'

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



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



DATE SEPTEMBER 7, 1984
OPERATOR'S WELL NO. ONE
API WELL NO. 47-091-0433
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 1018' WATER SHED LOST RUN
DISTRICT BOOTH'S CREEK COUNTY TAYLOR
QUADRANGLE FAIRMONT EAST 7.5' 390 FAIRMONT 041 C
SURFACE OWNER TYGART EAST CO. ACREAGE 140
OIL & GAS ROYALTY OWNER ROY M. NEWLON, ET AL. LEASE ACREAGE 140
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 7400'
WELL OPERATOR FOX DRILLING CO. DESIGNATED AGENT MR. ROBERT E. FOX
ADDRESS P.O. BOX 129 ADDRESS P.O. BOX 129
GLENVILLE, W.VA. 26351 GLENVILLE, W.VA. 26351

IV-35
(Rev 8-81)

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NOV 26 1984

OIL & GAS DIV.
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date 11/19/84
Operator's
Well No. K-1
Farm Roy M. Newlon
API No. 47 - 091 - 0433

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 x / Shallow ___ /)

LOCATION: Elevation: 1018' Watershed Branch of Lost Run
District: Booths Creek County Taylor Quadrangle Fairmont East
(Formerly: Fox Drilling Company, Inc.)

COMPANY Keelex Corporation
ADDRESS P.O. Box 2564, Clarksburg, WV 26301
DESIGNATED AGENT Robert E. Fox
ADDRESS Glenville, WV 26351
SURFACE OWNER Tygart East Company
ADDRESS Grafton, WV
MINERAL RIGHTS OWNER Roy M. Newlon, et.al.
ADDRESS Grafton, WV
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
ADDRESS Box 47, Belmont, WV
PERMIT ISSUED 9/7/84
DRILLING COMMENCED 9/14/84
DRILLING COMPLETED 9/27/84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4" / 13-10"	159.80	159.80	600 sks. fill to surface
9 5/8			
8 5/8	1136	1136	260 sks. fill to surface
7			
5 1/2			
4 1/2	7225.30	7225.30	205 sks. 1000' fill up.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 7400' feet
Depth of completed well 7316' feet Rotary x / Cable Tools ___
Water strata depth: Fresh ^{30", 120"} 175', 185 feet; Salt ___ feet
Coal seam depths: 89'-92' Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Chert Pay zone depth 6956-7145 feet
Gas: Initial open flow show 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 measurement) after ___ 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)
MAY 06 1985

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

Perforations (6998'-7008') 26 holes.

Well fractured by Halliburton Services - 10/10/84.

Breakdown: 3670#, 1700 Bbls. sand laden fluid, average rate 38.7 BPM,
average pressure 4400#, H.H.P. 4174, 40,000 lbs. 80/100 sand,
70,000 lbs. 20/40 sand, 11,000 gallons 20% HCl acid.

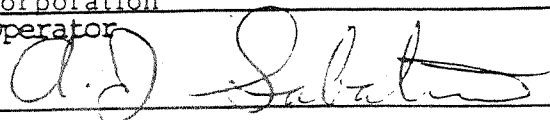
WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
					Gas Test
					2800' 20/10-W-1/2"
					3593 20/10-W-1/2"
					5495 28/10-W-1/2"
					T.D. 30/10-W-1/2"

(Attach separate sheets as necessary)

Keelex Corporation
Well Operator

By:



Date: November 19, 1984

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."

Soil	0'	45'
Sand	45'	89'
**** Coal	89'	92'
Sand & Shale	92'	605'
Little Lime	605'	617'
Red Rock	617'	632'
Big Lime	632'	732'
Big Injun	732'	806'
Sand & Shale	806'	936'
Weir	936'	950'
Sand & Shale	950'	1080'
Berea	1080'	1088'
Sand & Shale	1088'	1203'
50 Foot	1203'	1214'
Sand & Shale	1214'	1562'
Gordon	1562'	1572'
Sand & Shale	1572'	1660'
4th Sand	1660'	1700'
Sand & Shale	1700'	1742'
5th Sand	1742'	1785'
Sand & Shale	1785'	2433'
Speechley	2433'	2440'
Shale	2440'	3600'
Riley	3600'	3620'
Shale	3620'	3721'
Benson	3721'	3734'
Shale	3734'	3929'
1st Elk	3929'	3942'
Shale	3942'	4117'
2nd Elk	4117'	4142'
Shale	4142'	4387'
3rd Elk	4387'	4424'
Shale	4424'	5930'
Sycamore Grit	5930'	5965'
Shale	5965'	6591'
Tulley Lime	6591'	6654'
Shale	6654'	6842'
Marcellus Shale	6842'	6946'
Onondaga Lime	6946'	6956'
Huntersville Chert	6956'	7145'
Oriskany Sand	7145'	7150'
Helderberg Lime	7150'	7316'
Total Depth (Drillers)		7316'

all exploratory ftg.
 1986 prod. 4580 mcf - Keeley

MAY 06 1985



1) Date: 25 August, 19 84
 2) Operator's Newlon # 1
 Well No. _____
 3) API Well No. 47 - 091 - 0433
 State County Permit

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 SEP 10 1984

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION
 DEPT. OF MINES

- 4) WELL TYPE: A Oil XXX / Gas XXXX / Underground storage _____ / Deep XXX / Shallow _____
 B (If "Gas", Production XXXX)
 5) LOCATION: Elevation: 1018' / Watershed: Lost Run of Tygart River (M27)
 District: Booth Creek / County: Taylor / Quadrangle: Fairmont East 7.5
 6) WELL OPERATOR Fox Drilling Co., Inc. / 7) DESIGNATED AGENT Robert E. Fox
 Address P. O. Box 129 / Address P. O. Box 129
Glenville, WV 26351 / Glenville, WV 26351
 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) DRILLING CONTRACTOR:
 Name Donald Ellis / Name Fox Drilling Co., Inc.
 Address P. O. Box 47 / Address P. O. Box 129
Beaumont, WV 26314 (684-7082) / Glenville, WV 26351
 10) PROPOSED WELL WORK: Drill XXX / Drill deeper _____ / Redrill _____ / Stimulate XXX /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Oriskany
 12) Estimated depth of completed well, 7400' feet
 13) Approximate trata depths: Fresh, 60-180 & 20' feet; salt, _____ feet.
 14) Approximate coal seam depths: 150 & 85' Is coal being mined in the area? Yes _____ / No XXX

15) 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			
Conductor	11.75	API	42	X		210' 150' <u>210' 150'</u>	to surface <u>by rule 15-05</u>	
Fresh water								
Coal							Sizes	
Intermediate	8 5/8	J55	23	X		1200'	1200'	to surface
Production	4 1/2	N80	10.5	X			7400'	1000 sks
Tubing								Depths set
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-091-0433 September 11, 19 84
 Date

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires September 11, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>BLANKET</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>09429</u>

Margaret J. Hesse
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.