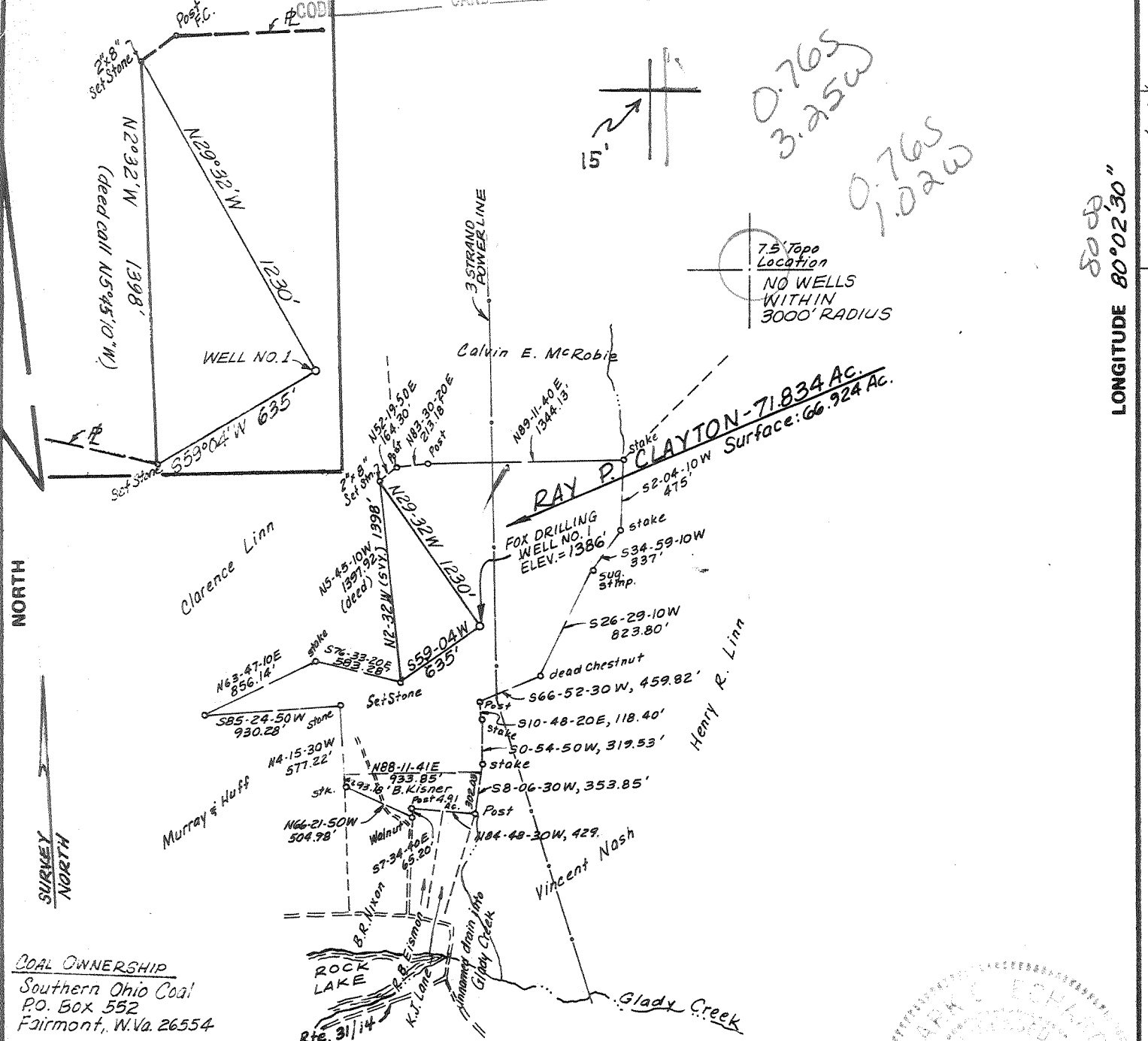


WELL DETAIL: 1"=500'

LATITUDE 39°25'00"



COAL OWNERSHIP
 Southern Ohio Coal
 P.O. Box 552
 Fairmont, W.Va. 26554

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION BRIDGE W.W. 2250'±
SO. OF LOCATION, ELEV.= 1343

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 DECEMBER 6, 1982
 OPERATOR'S WELL NO. ONE
 API WELL NO. _____
47 - 049 - 0744-REN
 STATE COUNTY PERMIT
Frac

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 1386 WATER SHED GLADY CREEK
 DISTRICT UNION 6 COUNTY MARION
 QUADRANGLE FAIRMONT EAST 7.5' 342 041 ECG
 SURFACE OWNER RAY P. CLAYTON ACREAGE 66.924
 OIL & GAS ROYALTY OWNER RAY P. CLAYTON LEASE ACREAGE 71.834
 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) _____

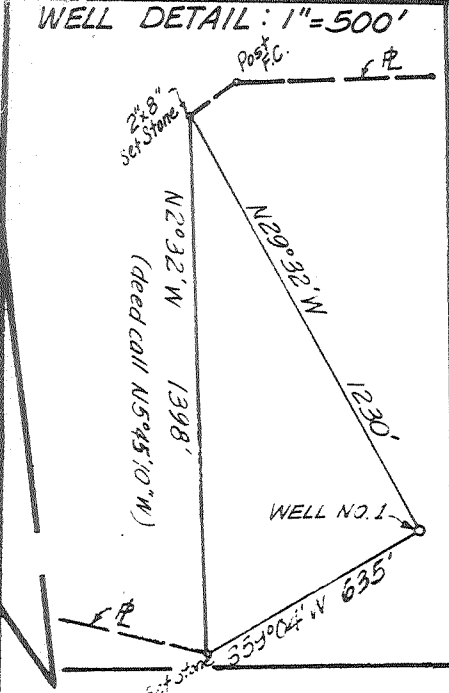
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 8000'±

DESIGNATED AGENT. _____
 ADDRESS _____

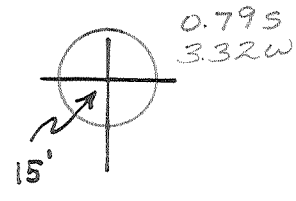
 A. J. Sabatino, Agent
 Same Address
 PH: 623-4600

462
 SPD-4th sd. G-4 Bunnys Ridge (367)

WV-100-0144



LATITUDE 39°25'00"

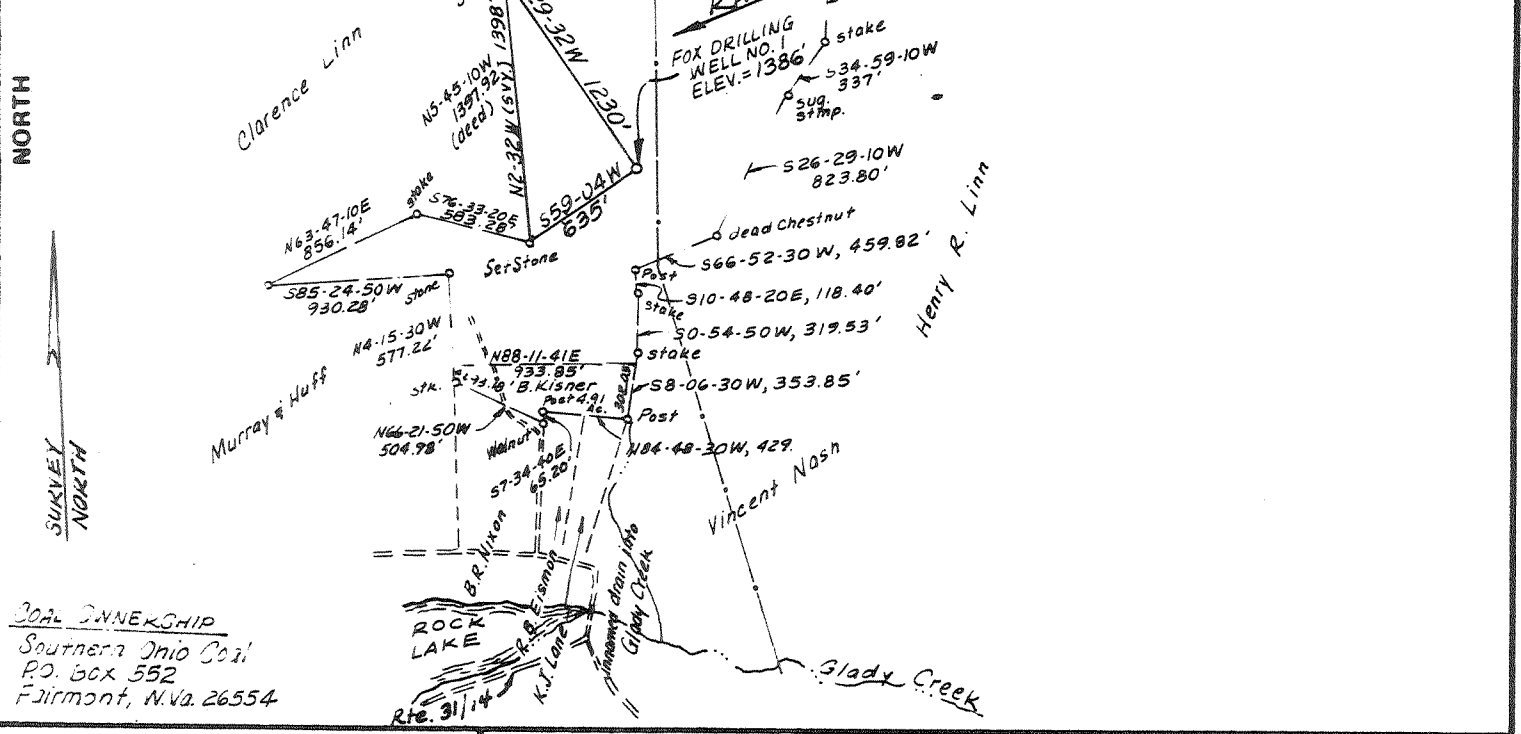


7.5' Tape Location
NO WELLS WITHIN 3000' RADIUS

NORTH



LONGITUDE 80°02'30"



COAL OWNERSHIP
Southern Ohio Coal
P.O. Box 552
Fairmont, W.Va. 26554

FILE NO. _____
DRAWING NO. _____
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEVATION BRIDGE W.W. 2250' ±
SO. OF LOCATION, ELEV. = 1343

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

PLACE SEAL HERE

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



DATE DECEMBER 6, 19 82
OPERATOR'S WELL NO. ONE
API WELL NO. _____
47 - 049 - 0744
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 1386 WATER SHED GLADY CREEK
DISTRICT UNION COUNTY MARION
QUADRANGLE FAIRMONT EAST 7.5' Fairmont 15' EC
SURFACE OWNER RAY P. CLAYTON ACREAGE 66.924
OIL & GAS ROYALTY OWNER RAY P. CLAYTON LEASE ACREAGE 71.834
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 8000'± deepwell
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

JAN 10 1983

6-6 Bunnys Ridge (367)

RECEIVED
MAY - 5 1986



WR-35

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

Date April 14, 1986
Operator's
Well No. K-2
Farm Ray P. Clayton
API No. 47-049-0744
Frac

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 ___ / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1386 Watershed Glady Creek
District: Union County Marion Quadrangle Fairmont East

COMPANY Keelex Corporation
ADDRESS P.O. Box 2564, Clarksburg, WV 26301
DESIGNATED AGENT A. J. Sabatino
ADDRESS P.O. Box 2564, Clarksburg, WV 26301
SURFACE OWNER Ray P. Clayton
ADDRESS Rt. 6, Box 204, Fairmont, WV 26554
MINERAL RIGHTS OWNER Ray P. Clayton
ADDRESS Rt. 6, Box 204, Fairmont, WV 26554
OIL AND GAS INSPECTOR FOR THIS WORK Donald Ellis
ADDRESS Fairmont, WV 26554
PERMIT ISSUED 02/10/86
DRILLING COMMENCED 04/1/86
DRILLING COMPLETED 04/10/86

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-1/8 11 3/4	40	0	
9 5/8			
8 5/8	1381'	1381'	340 sks fill to surface
7			
5 1/2			
4 1/2	7598'	7598'	205 sks.
3			1000' fill up
2 3/8"	7508'	7508'	
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 7525 feet
Depth of completed well 7665 feet Rotary X / Cable Tools _____
Water strata depth: Fresh X feet; Salt X feet
Coal seam depths: (193-197')(223-226') Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Chert Pay zone depth (7411-7464') 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 completions -)

After Stimulation
new zone completed
Second producing formation 4th sand Pay zone depth 1920 feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 531 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 24 hours
Static rock pressure 440 psig (surface measurement) after 24 hours shut in

MAY 12 1986

(Continue on reverse side)

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

SEE ATTACHED SHEET

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SAME AS PREVIOUSLY SUBMITTED.					

(Attach separate sheets as necessary)

KEELEX CORPORATION

Well Operator

By: A.J. Sabatino A.J. Sabatino, V.P.

Date: April 14, 1986

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."

- 03/31/86 MIWOU, Blowdown well, pull and lay down 7508' of 2 3/8" EUE tubing.
- 04/02/86 Perfco ran GR/cc1 (2150' - 1700'), set 4 1/2" EZ drill bridge plug @ 2125', Perforated 4 holes @ 2042', Halliburton squeeze cmt. with gelled water & 160 sks. reg. neat cmt. + 1/4% CFR2, left 25' of cmt. inside pipe.
- 04/07/86 Perfco ran Gamma Ray cmt. top logs, Perforated 4th sand section (1914' - 1928') 16 holes, 0.39".
4th
- 04/08/86 Halliburton foam frac, spot 500 gals. 15% Hcl acid, Breakdown press: 1880#, 75 quality foam, Max press: 2140#, Avg. rate: 20 BPM, Avg. press: 2000#, 60,000 lbs. 20/40 sand, 2 - 12 PPG concentration, 436,000 SCF N₂, ISIP: 1580#, 5 min. 1500#.

MAY 12 1986



IV-35
(Rev 8-81)

Date 12/18/84
Operator's
Well No. K-2
Farm Ray P. Clayton
API No. 47 - 049 - 0744

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 ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production x / Underground Storage ___ / Deep x / Shallow ___ /)

LOCATION: Elevation: 1386' Watershed Glady Creek
District: Union County Marion Quadrangle Fairmont East

COMPANY Keelex Corporation
ADDRESS P.O. Box 2564, Clarksburg, WV26301
DESIGNATED AGENT Robert E. Fox
ADDRESS Glenville, WV 26351
SURFACE OWNER Ray P. Clayton
ADDRESS Rt. 6, Box 204, Fairmont, WV
MINERAL RIGHTS OWNER Ray P. Clayton
ADDRESS Rt. 6, Box 204, Fairmont, WV
OIL AND GAS INSPECTOR FOR THIS WORK
Donald Martin ADDRESS Fairmont, WV
PERMIT ISSUED 8/6/83
DRILLING COMMENCED 9/29/84
DRILLING COMPLETED 10/05/84

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4" XX-10X	40'	0	---
9 5/8			
8 5/8	1381'	1381'	340 sks. fill to surface
7			
5 1/2			
4 1/2	7598'	7598'	205 sks. 1000' fill up
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sand Depth 7525' feet
Depth of completed well 7665 feet Rotary x / Cable Tools ___
Water strata depth: Fresh x feet; Salt x feet
Coal seam depths: (193'-197')(223'-226') Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Chert Pay zone depth (7411'-7464') feet
Gas: Initial open flow Show Mcf/d Oil: Initial open flow --- Bbl/d
Final open flow -775 Mcf/d FTP 2290' Final open flow --- Bbl/d
Time of open flow between initial and final tests --- hours
Static rock pressure 2960 psig (surface measurement) after 72 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

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

Perforations (7411'-16') 10 holes, (7422'-26') 4 holes, (7436'-44') 14 holes,
(7462'-64') 2 holes; 30 holes total.

Well fractured by Halliburton Services - 11/12/84.

Breakdown: 3145#, 1430 BBIs sand laden fluid, average rate 31.7 BPM,
average pressure 5200#, H.H.P. 4050, 20,000 lbs. 80/100 sand, 62,400 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
					2328' 8/10-W-1/2"
					4137' 8/10-W-1/2"
					4993' 10/10-W-1/2"
					6099' 4/10-W-1/2"

(Attach separate sheets as necessary)

Keelex Corporation
Well Operator

By: 

Date: December 18, 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."

El. log tops

Soil	0'	5'
Sand	5'	60'
Shale	60'	73'
Sand	73'	79'
Shale	79'	85'
Sand	85'	134'
Shale	134'	193'
*** Coal	193'	197'
Shale	197'	223'
*** Coal	223'	226'
Shale & Sand	226'	850'
Little Lime	850'	857'
Red Rock	857'	873'
Big Lime	873'	973'
Big Injun	973'	1079'
Sand & Shale	1079'	1204'
Weir	1204'	1220'
Sand & Shale	1220'	1412'
Gantz	1412'	1419'
Shale	1419'	1474'
50 Foot	1474'	1481'
Sand & Shale	1481'	1841'
Gordon	1841'	1851'
Shale	1851'	1901'
4th Sand	1901'	1944'
Shale	1944'	2015'
5th Sand	2015'	2054'
Sand & Shale	2054'	2706'
Speechley	2706'	2714'
Shale	2714'	3721'
Bradford	3721'	3730'
Shale	3730'	3881'
Riley	3881'	3958'
Shale	3958'	4023'
Benson	4023'	4027'
Shale	4027'	4258'
1st Elk	4258'	4282'
Shale	4282'	4397'
2nd Elk	4397'	4420'
Shale	4420'	4690'
3rd Elk	4690'	4710'
Shale	4710'	6306'
Sycamore Grit	6306'	6330'
Shale	6330'	7004'
Tulley Limestone	7004'	7074'
Shale <i>Marantanga</i>	7074'	7282'
Marcellus Shale	7282'	7384'
Onondaga	7384'	7393'
Huntersville Chert	7393'	7588'
Oriskany	7588'	7594'
Helderberg Lime	7594'	7665'
TOTAL DEPTH (DRILLERS)		7665'



1) Date: 6 August, 1983
 2) Operator's Well No. Clayton # 1
 3) API Well No. 47 - 049 - 0744-REN
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas XXX /
 B (If "Gas", Production XXX / Underground storage / Deep XXX / Shallow)
- 5) LOCATION: Elevation: 1386' Watershed: Glady Creek
 District: Union County: Marion Quadrangle: Fairmont East 7.5
- 6) WELL OPERATOR Fox Drilling Co. Inc.
 Address P.O. Box 129
Glenville, WV 26351
- 7) DESIGNATED AGENT Robert E. Fox
 Address P.O. Box 129
Glenville, WV 26351
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name William Blosser
 Address Rt. 4 Box 317
Fairmont WV 26554
- 9) DRILLING CONTRACTOR:
 Name Fox Drilling Co. Inc.
 Address P.O. Box 129
Glenville, WV 26351
- 10) PROPOSED WELL WORK: Drill XXXX / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 8000 feet
- 13) Approximate trata depths: Fresh, 80-120 feet; salt, feet.
- 14) Approximate coal seam depths: 350 Is coal being mined in the area? Yes No

RECEIVED
 SEP 7 1983
 OIL & GAS DIVISION
 DEPT. OF MINES

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	For drilling	Left in well		
Conductor	113/4'	API	42	X		40'	40'	To surface	Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8'	J55	23	X		1480'	1480'	To surface	By Rule 15-25
Production	4 1/2	N80	11.6	X			8000'	800 sks	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-049-0744-REN Date October 19, 1983

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 October 19, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>82.58</u>
-------	---------------------------	--------------------------	----------------------------	-------------------

[Signature]
 Administrator, Office of Oil and Gas

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

7/85

RECEIVED
FEB 14 1986



1) Date: February 10, 1986
 2) Operator's Well No. K-2
 3) API Well No. 47 - 049 - 0744-Frac
 State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

APPLICATION FOR A WELL WORK PERMIT

- DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
- 4) WELL TYPE: A Oil X Gas X
 B (If "Gas", Production X / Underground storage / Deep X / Shallow)
- 5) LOCATION: Elevation: 1386' Watershed: Glady Creek
 District: Union 452 County: Marion Quadrangle: Fairmont East 7.5
- 6) WELL OPERATOR Keelex Corp. CODE: 25631 7) DESIGNATED AGENT A. J. Sabatino
 Address P.O. Box 2564 Address P.O. Box 2564
Clarksburg, WV 26301 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Donald Ellis
 Address 2604 Crab Apple Lane
Fairmont, WV 26554
- 9) DRILLING CONTRACTOR: Name Not Applicable
 Address
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation X /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Fourth Sand #21
 12) Estimated depth of completed well, 8000 feet
 13) Approximate strata depths: Fresh, 80-120 feet; salt, feet.
 14) Approximate coal seam depths: 350 Is coal being mined in the area? Yes / No X
- 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	For drilling	Left in well		
Conductor	11 3/4						40'		Kinds
Fresh water									
Coal									Sizes
Intermediate	8 5/8						1480'	CTS	
Production	4 1/2						8000'	205 S/S	Depths set:
Tubing									
Linings									Perforations:
									Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number: 47-049-0744-Frac

February 14 19 86
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 February 14, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ASB</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>0063</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: <u> </u>
----------------	-------------------	-----------------	-------------------	------------------	-----------------	----------------	--------------------

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

John Johnston by Gene Smith
Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.



1) Date: December 14, 19 82
2) Operator's Well No. Clayton #1
3) API Well No. 47 049 0744
State County Permit

DRILLING CONTRACTOR:

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

Fox Drilling Co. Inc.

P.O. Box 129 Glenville, W.V.

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil XXXX / Gas XXXX /
B (If "Gas", Production XXXX / Underground storage XXXX / Deep XXXX / Shallow XXXX /)
- 5) LOCATION: Elevation: 1386' Watershed: Glady Creek
District: Union County: Marion Quadrangle: Fairmont East 7.5'
- 6) WELL OPERATOR Fox Drilling Co. Inc. 11) DESIGNATED AGENT Robert E. Fox
Address P.O. Box 129 Address P.O. Box 129
Glenville, W.V. 26351 Glenville, W.V. 26351
- 7) OIL & GAS ROYALTY OWNER Ray P. Clayton 12) COAL OPERATOR _____
Address Rt. 6 Box 204 Address _____
Fairmont, W.V. 26554
Acreage 71.8
- 8) SURFACE OWNER Ray P. Clayton 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
Address Rt. 6 Box 204 Name _____
Fairmont, W.V. 26554 Address _____
Acreage 66.9 Name _____
Address _____
- 9) FIELD SALE (IF MADE) TO:
Address Unknown
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser 14) COAL LESSEE WITH DECLARATION ON RECORD:
Address Rt. 4 Box 317 Name Southern Ohio Coal
Fairmont, W.V. 26554 Address P.O. Box 552
Fairmont, W.V. 26554
- 15) PROPOSED WORK: Drill XXXX / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
Plug off old formation _____ / Perforate new formation _____
Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, Oriskany
- 17) Estimated depth of completed well, 8000 feet
- 18) Approximate water strata depths: Fresh, 80-120 feet; salt, _____ feet.
- 19) Approximate coal seam depths: 350 Is coal being mined in the area? Yes _____ / No _____

20) 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	For drilling	Left in well		
Conductor	<u>11 3/4"</u>	<u>API</u>	<u>42</u>	<u>X</u>		<u>40</u>	<u>40</u>	<u>To Surface</u>	Kinds
Fresh water									
Coal									Sizes
Intermediate	<u>8 5/8"</u>	<u>J55</u>	<u>23</u>			<u>1480'</u>	<u>1480'</u>	<u>To Surface</u>	
Production	<u>4 1/2"</u>	<u>N80</u>	<u>11.6</u>			<u>8000'</u>	<u>8000'</u>	<u>800 SKS</u>	Depths set
Tubing									
Liners									Perforations: Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) 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 lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____
My Commission Expires 12/31/1990

Signed: _____
Its: President

OFFICE USE ONLY

January 6, 1983

DRILLING PERMIT

Permit number _____

19

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. 10) 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.)

Permit expires September 6, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing:	Fee:

Administrator, Office of Oil and Gas