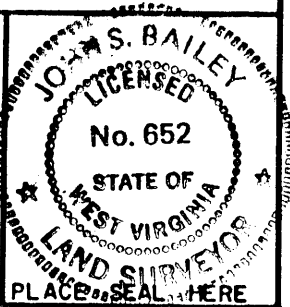


MAGNETIC REFERENCE TIE LINES
 PROPOSED WELL TO 30" W.O. AT FE. CORN. N24°58'W 247.7'
 PROPOSED WELL TO 18" R.O. N64°18'W 147.7'

FILE NO. MSES84-537
 DRAWN BY PJD
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RT. 20/L & PVT. RD. 1700 SW OF LOC. - EL. 945'

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) John A. Bailey
 R.P.E. _____ L.V.S. 652

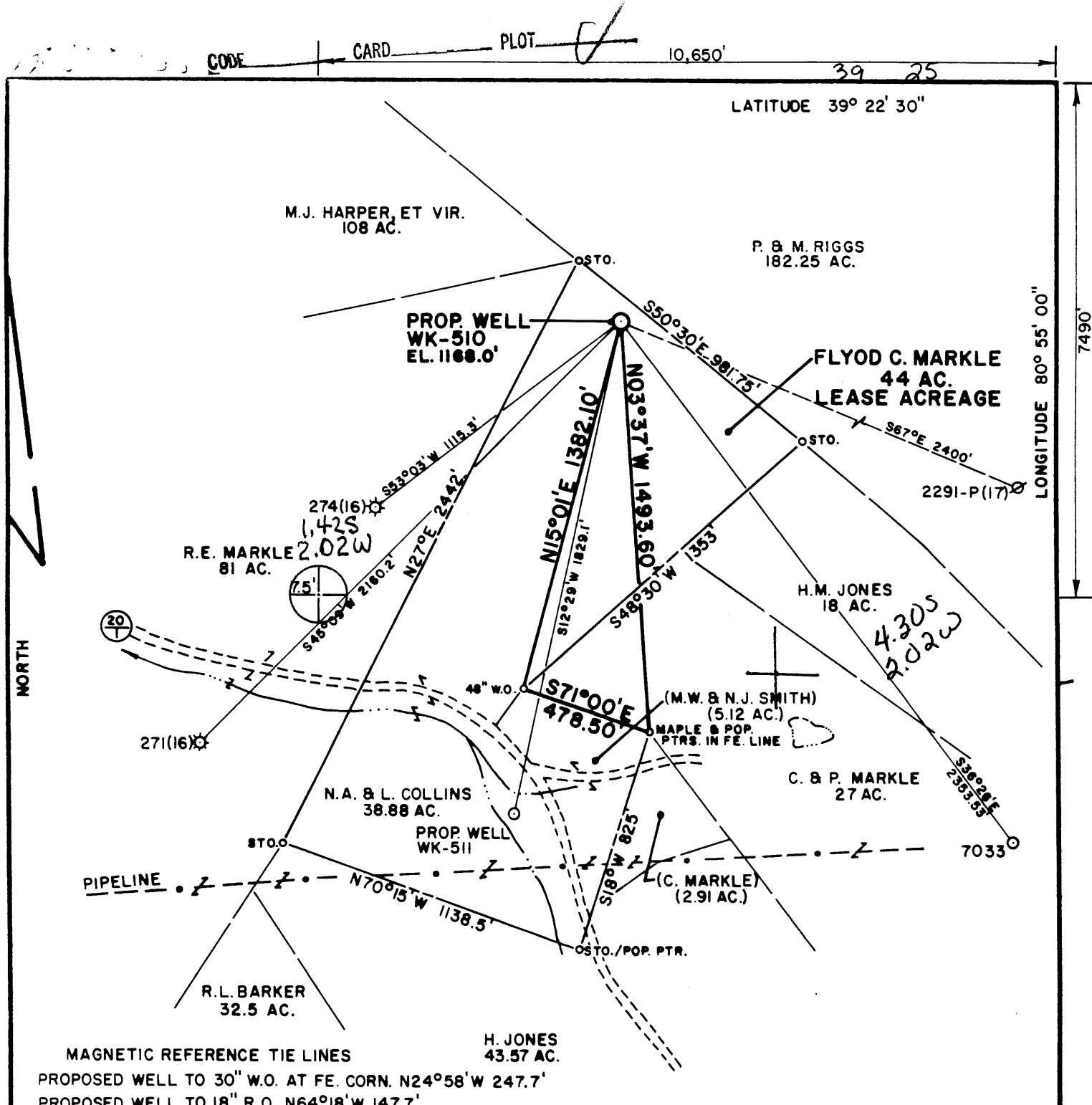


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)

DATE OCTOBER 25, 1984
 OPERATOR'S WELL NO. WK-510
 API WELL NO. 47-095-1096
 STATE COUNTY PERMIT
 Department of Mines
 Oil & Gas Division
Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1168.0' WATER SHED JOSEPHS FORK & CLINE RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE PENNSBORO 7.5' 1961(1976)
 SURFACE OWNER NEAL A. & LILA COLLINS ACREAGE 38.88
 OIL & GAS ROYALTY OWNER BETTY M. MOORE, ET AL. LEASE ACREAGE 44
 LEASE NO. KW-1152
 PROPOSED WORK: DRILL X 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 DEVONIAN SHALE ESTIMATED DEPTH 5995' FEB 3 1987
 WELL OPERATOR KEPCO, INC. DESIGNATED AGENT E.L. STUART
 ADDRESS 436 BLVD. OF THE ALLIES PITTSBURGH, PA 15219 ADDRESS P.O. BOX 1550 CLARKSBURG, WV 26301

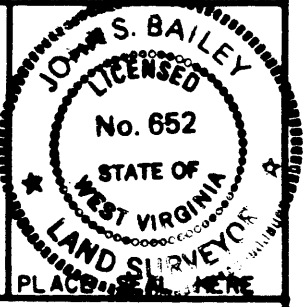
TYLER 1096



MAGNETIC REFERENCE TIE LINES
 PROPOSED WELL TO 30" W.O. AT FE. CORN. N24°58'W 247.7'
 PROPOSED WELL TO 18" R.O. N64°18'W 147.7'

FILE NO. MSES84-537
 DRAWN BY PJD
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION INT. CO. RT. 20/1 & PVT. RD. 1700 SW OF LOC. - EL. 945'

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) John S. Bailey
 R.P.E. _____ L.S.S. 652



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



Department of Mines
 Oil & Gas Division

DATE OCTOBER 25, 1984
 OPERATOR'S WELL NO. WK-510
 API WELL NO. _____
47 - 095 - 1096
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS", PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X)
 LOCATION: ELEVATION 1168.0' WATER SHED JOSEPHS FORK & CLINE RUN
 DISTRICT MEADE 4 COUNTY TYLER
 QUADRANGLE PENNSBORO 7.5' 1961(1976) West Union 15' W64
 SURFACE OWNER NEAL A. & LILA COLLINS ACREAGE 38.88
 OIL & GAS ROYALTY OWNER BETTY M. MOORE, ET AL. LEASE ACREAGE 44
 LEASE NO. KW-1152
 PROPOSED WORK: DRILL X 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 DEVONIAN SHALE ESTIMATED DEPTH 5995' JAN 14 1985
 WELL OPERATOR KEPCO, INC. DESIGNATED AGENT E.L. STUART
 ADDRESS 436 BLVD. OF THE ALLIES ADDRESS P.O. BOX 1550
472 PITTSBURGH, PA 15219 CLARKSBURG, WV 26301



1) Date: October 30, 19 84
 2) Operator's Well No. WK-510
 3) API Well No. 47 - 095 - 1096
 State County Permit

POSTED

14 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 X Gas X /
 B (If "Gas", Production X) / Underground storage _____ / Deep _____ / Shallow X /
- 5) LOCATION: Elevation: 1168.00 Watershed: Josephs Fork & Cline Run
 District: Meade County: Tyler Quadrangle: Pennsboro 7.5' (1976)
- 6) WELL OPERATOR Kepeco, Inc. 7) DESIGNATED AGENT E. L. Stuart
 Address 436 Blvd. of the Allies Address P. O. Box 1550
Pittsburgh, PA 15219 Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 25900 9) DRILLING CONTRACTOR:
 Name Robert Lowther Name Unknown
 Address General Delivery Address _____
Middlebourne, WV 26149
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____ /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Devonian Shale
- 12) Estimated depth of completed well, 5995 feet
 13) Approximate trata depths: Fresh, 312, 632 feet; salt, 1622 feet.
 14) Approximate coal seam depths: _____ 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		
Conductor	1-3/4	H-40	42		X	20	20	Kinds <u>CTS by rule 15.05</u>
Fresh water						<u>665</u>	<u>665</u>	
Coal								Sizes
Intermediate	8-5/8	J-55	23	X		1793	1793	Circulate <u>400 SX or as required by rule 15.00</u>
Production	4-1/2	J-55	10.5	X			5900	
Tubing								
Liners								Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1096 Date January 10, 1985

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 January 10, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>87</u>	<u>Sumner</u>	<u>MN</u>	<u>MN</u>	<u>3888</u>

Margaret J. Hass
 Administrator, Office of Oil and Gas

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

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

File