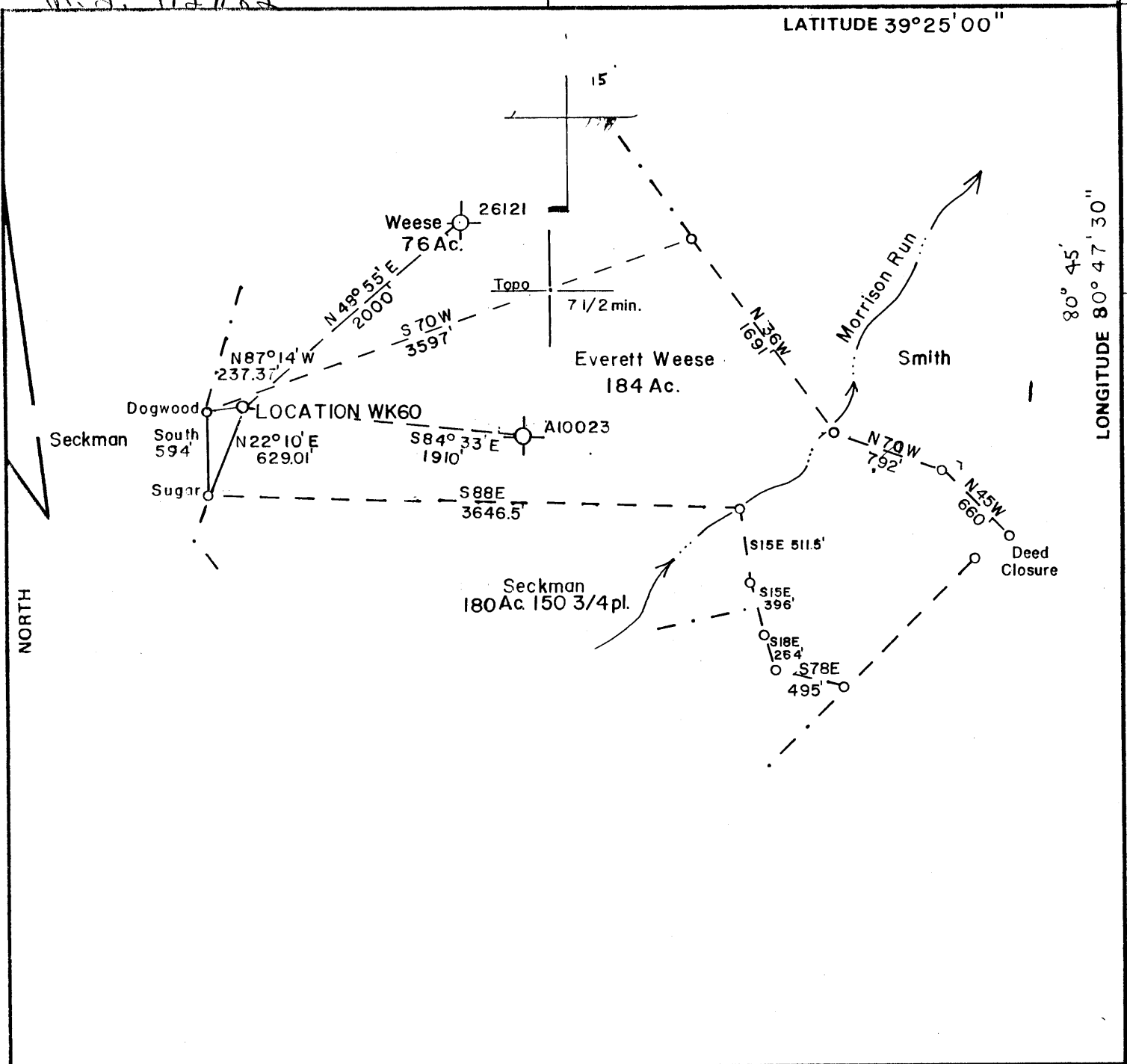


Map. 4/27/82

8025'

LATITUDE 39°25'00"

LONGITUDE 80°47'30"



FILE NO. 001.01
 DRAWING NO. 82-01
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot elevation NE of location 1052'

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) David M. Owens
 R.P.E. _____ L.L.S. 743

PLACE SEAL HERE

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



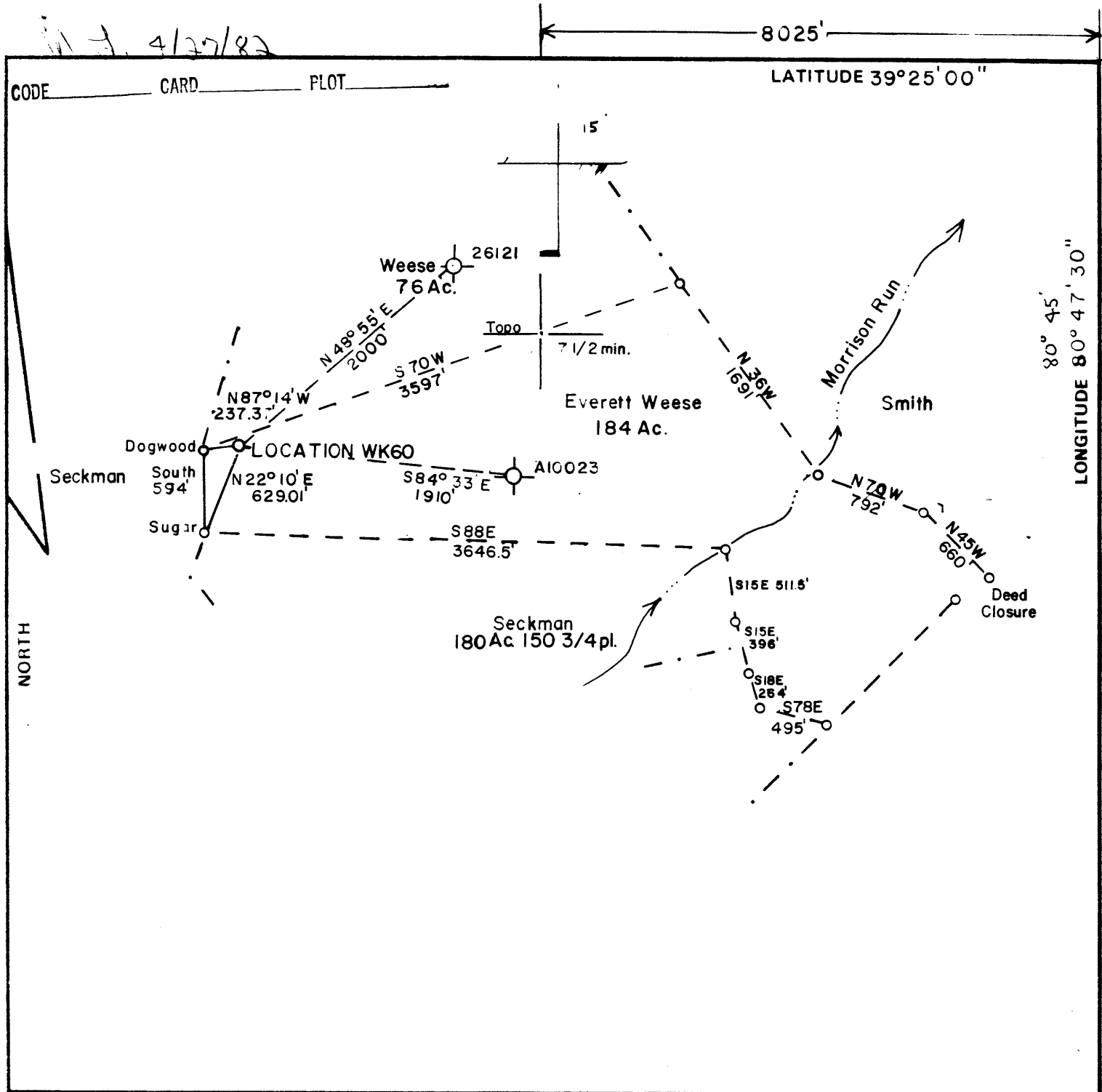
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 12 April, 1982
 OPERATOR'S WELL NO. WK60
 API WELL NO. _____
47 - 095 - 0996-P
 STATE COUNTY PERMIT

Plugging Permit Cancelled

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1145' WATER SHED Morrision Run
 DISTRICT M C Elroy COUNTY Tyler
 QUADRANGLE Shirley
 SURFACE OWNER Everett Weese ACREAGE 184
 OIL & GAS ROYALTY OWNER Everett Weese LEASE ACREAGE 184
 LEASE NO. _____
 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 Elk ESTIMATED DEPTH 5600'
 WELL OPERATOR Kepeco 472 DESIGNATED AGENT Ed Stuart
 ADDRESS 436 Blvd. Of Allies ADDRESS P.O.B 1550
Pittsburg PA. 15211 Clarksburg WV 26302

DEC 23 1986



FILE NO. 001.01
 DRAWING NO. 82-01
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Spot elevation NE of location 1052'

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]
 R.P.E. _____ L.L.S. 743

PLACE SEAL HERE

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

WELL TYPE: OIL ___ GAS XL LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION XL STORAGE ___ DEEP ___ SHALLOW XL

LOCATION: ELEVATION 1145' WATER SHED Morrison Run
 DISTRICT M.C. Elroy COUNTY Tyler
 QUADRANGLE Shirley

SURFACE OWNER Everett Weese ACREAGE .84
 OIL & GAS ROYALTY OWNER Everett Weese LEASE ACREAGE .184
 LEASE NO. _____

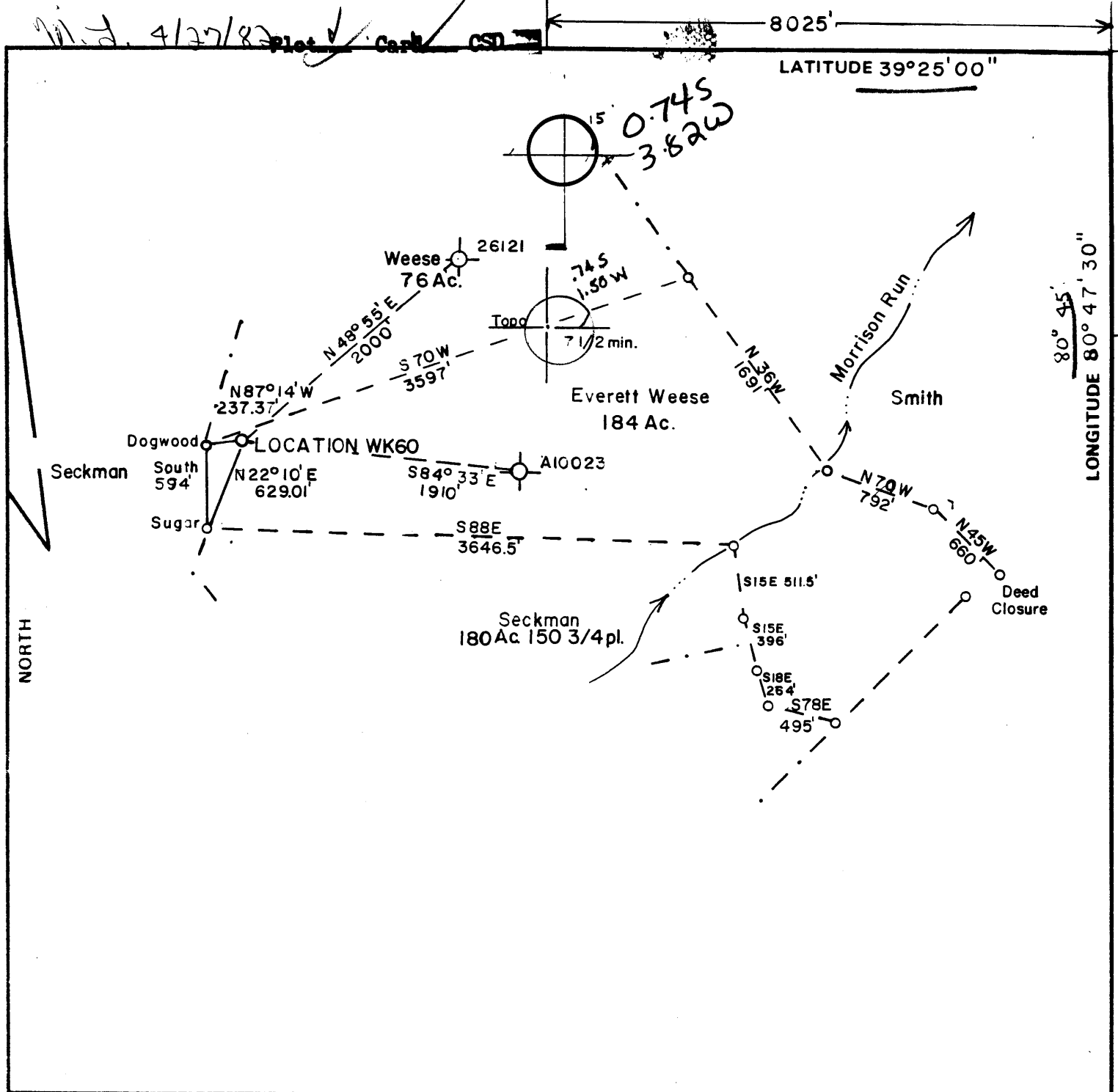
PROPOSED WORK: DRILL XL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Elk ESTIMATED DEPTH 5600'
 WELL OPERATOR Keeco DESIGNATED AGENT Ed Stuart
 ADDRESS 436 Blvd. Of Allies ADDRESS P.O. B 1550
Pittsburg PA. 15211 Clarksburg WV 26302

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 12 April, 19 82
 OPERATOR'S WELL NO. WK60
 API WELL NO. _____
47 - 095 - 0996-P
 STATE COUNTY PERMIT

NOV 19 1984



FILE NO. 001.01

DRAWING NO. 82-01

SCALE 1"=1000'

MINIMUM DEGREE OF ACCURACY 1 in 200

PROVEN SOURCE OF ELEVATION Spot elevation NE of location 1052'

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) _____

R.P.E. _____ L.L.S. 743

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE 12 April, 1982

OPERATOR'S WELL NO. WK60

API WELL NO. 47-095-0996

STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS XX LIQUID INJECTION ___ WASTE DISPOSAL ___

(IF "GAS,") PRODUCTION XX STORAGE ___ DEEP ___ SHALLOW XX

LOCATION: ELEVATION 1145' WATER SHED Morrison Run

DISTRICT M C Elroy COUNTY Tyler

QUADRANGLE Shirley West Union 151 EC

SURFACE OWNER Everett Weese ACREAGE 184

OIL & GAS ROYALTY OWNER Everett Weese LEASE ACREAGE 184

LEASE NO. _____

PROPOSED WORK: DRILL XX 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 Elk ESTIMATED DEPTH 5600'

WELL OPERATOR Kepco DESIGNATED AGENT Ed Stuart

ADDRESS 436 Blvd. Of Allies ADDRESS P.O.B 1550

Pittsburg PA. 15211 Clarksburg WV 26302

JUN 2 1982

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

Perfs: 2105'-2265'; Avg. press 3200 psi Avg rate 28 BPM

Fractured: November 12, 1983 Halliburton Services

One stage foam frac

30,000 lbs 20/40 frac sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all gases and salt water, coal, oil and gas
					0' to 1816' not recorded
Sand			1816'	1827'	
Shale and sand			1827'	1939'	
Maxton			1939'	1953'	1816' to 5950' depths from open hole logs
Big Lime			1953'	2026'	
Shale			2026'	2090'	
Big Injun			2090'	2240'	
Shale			2240'	2260'	
Squaw			2260'	2266'	
Shale			2266'	2426'	
Weir			2426'	2570'	
Shale			2570'	2628'	
Gantz			2628'	2632'	
Shale and sand			2632'	2850'	2848' (Salt water)
Gordon			2850'	2858'	
Shale and sand			2858'	3050'	
5th Sand			3050'	3068'	
Sand and shale			3068'	4710'	
Riley			4710'	4746'	
Shale			4746'	4920'	
Benson			4920'	4932'	
Shale			4932'	5136'	
Alexander			5136'	5140'	
Shale and sand			5140'	5440'	
Elk			5440'	5448'	
Shale and sand			5448'	5950'	
TD				5950'	Rhineclret © TD

5950
2628

3322

(Attach separate sheets as necessary)

KERCO, INC.
Well Operator
By: Bryan L. Wolcott
Bryan L. Wolcott - Drilling & Production Supervisor
Date: December 19, 1983

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
and, encountered in the drilling of a well."



Well No. WK-60
Farm Weese 184 ac.
API # 47 - 095 - 0996
Date April 12, 1982

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow X /

LOCATION: Elevation: 1,145 Watershed: Morrison Run
District: McElroy County: Tyler Quadrangle: Shirley

WELL OPERATOR Kepeco, Inc.
Address 436 Blvd. of Allies
Pittsburgh, PA 15211

DESIGNATED AGENT Ed Stuart
Address P. O. Box 1550
Clarksburg, WV 26301

OIL AND GAS ROYALTY OWNER Everett Roy & Betty J. Weese
Address Alma
West Virginia 26320
Acreage: 184

COAL OPERATOR None
Address _____

SURFACE OWNER Everett Roy & Betty J. Weese
Address Alma
West Virginia 26320
Acreage: 184

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Everett Roy & Betty J. Weese
Address Alma
West Virginia 26320

NAME Ernest & Mary S. Furbee
Address 64 McKennon Ave.
Washington, PA 15301

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Phillip L. Tracy
Address Rte. 3, Alma
West Virginia 26320
Telephone _____

RECEIVED

APR 27 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated June 10, 1981, to the undersigned well operator from Everett Roy & Betty J. Weese.

(If deed, lease, or other contract has been recorded):
Recorded on June 10, 1981, in the office of the Clerk of County Commission of Tyler County, West Virginia, in 232 Book at page 30. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1813 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Kepeco, Inc.
Well Operator

By: [Signature]

Its: Operating Manager

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Kepeco, Inc.
Address 436 Blvd. of the Allies
Pittsburgh, Pennsylvania 15211

GEOLOGICAL TARGET FORMATION Elk
Estimated depth of completed well 5,600 feet. Rotary / Cable tools /
Approximate water strata depths: Fresh, 1,000 feet; salt, 2,200 feet.
Approximate coal seam depths: 180' & 550'.
Is coal being mined in this area: Yes / No /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS Cubic ft.	PACKERS	
	Size	Grade	Weight per ft	New	Used	For Drill-ling			Left in Well
Conductor	12"				X	20	20	To surface	Kinds
Fresh water									
Coal									Sizes
Intermed.	8-5/8"		23.00	X		1,800	1,800	To surface	
Production	4-1/2"		10.50	X			5,600	As required	Depths set
Tubing								by Rule 15.01	
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 1-21-83.
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: Apr. 22, 1982.

[Signature]
BY: [Signature]
Its: Mineral Property Owner