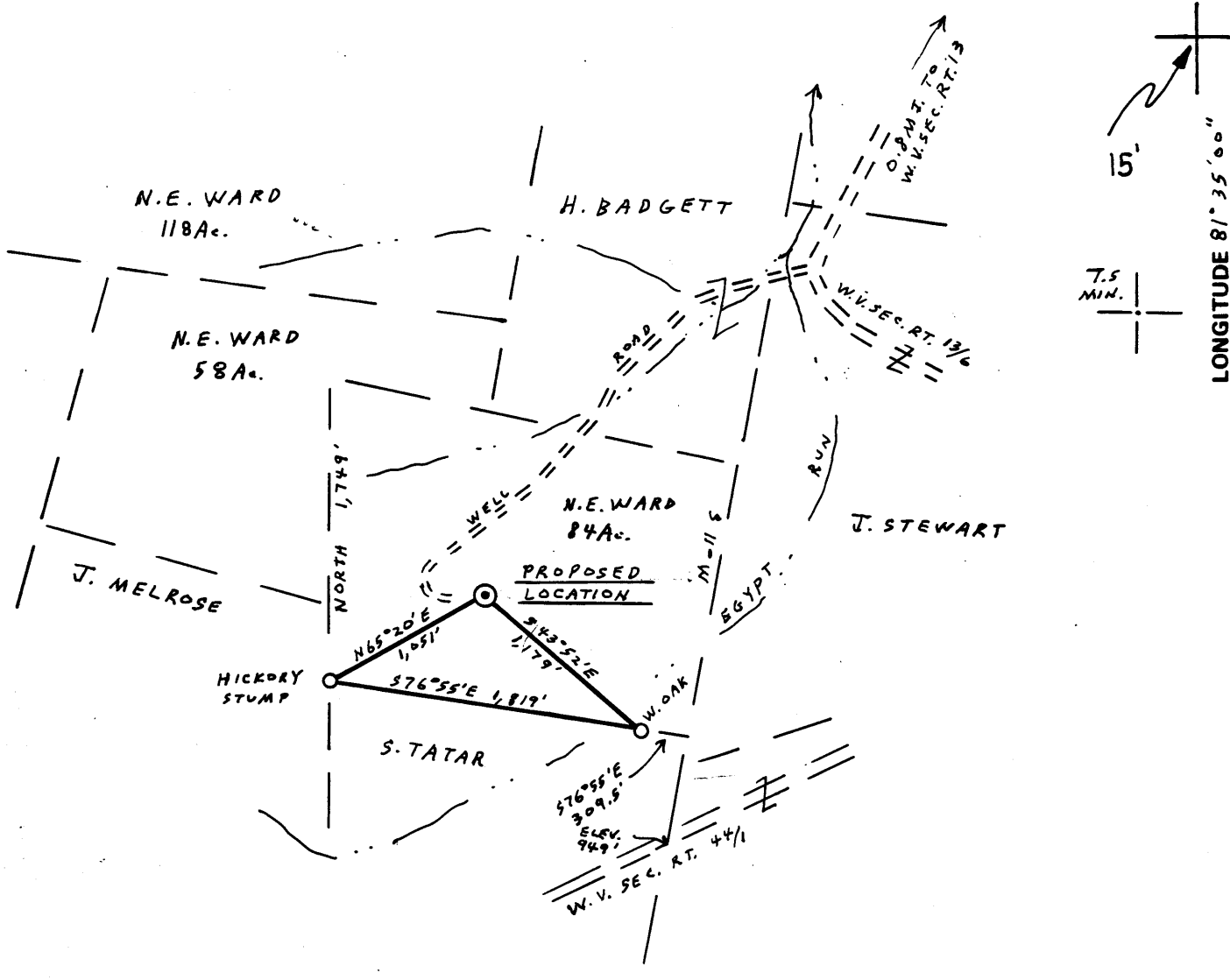


LATITUDE 39° 10' 00"

CODE _____ CARD _____ PLOT _____



N 16 E 13

NO WELLS WITHIN 2,400 FEET

FILE NO. 6-13
 DRAWING NO. _____
 SCALE 1" = 1,000
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. 949, 1,700' S.E. OF LOCATION

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) Vincent W. Wood
 R.P.E. _____ L.L.S. 664



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APRIL 28, 1983
 OPERATOR'S WELL NO. KEM 363
 API WELL NO. 47-107-1268
 STATE COUNTY PERMIT

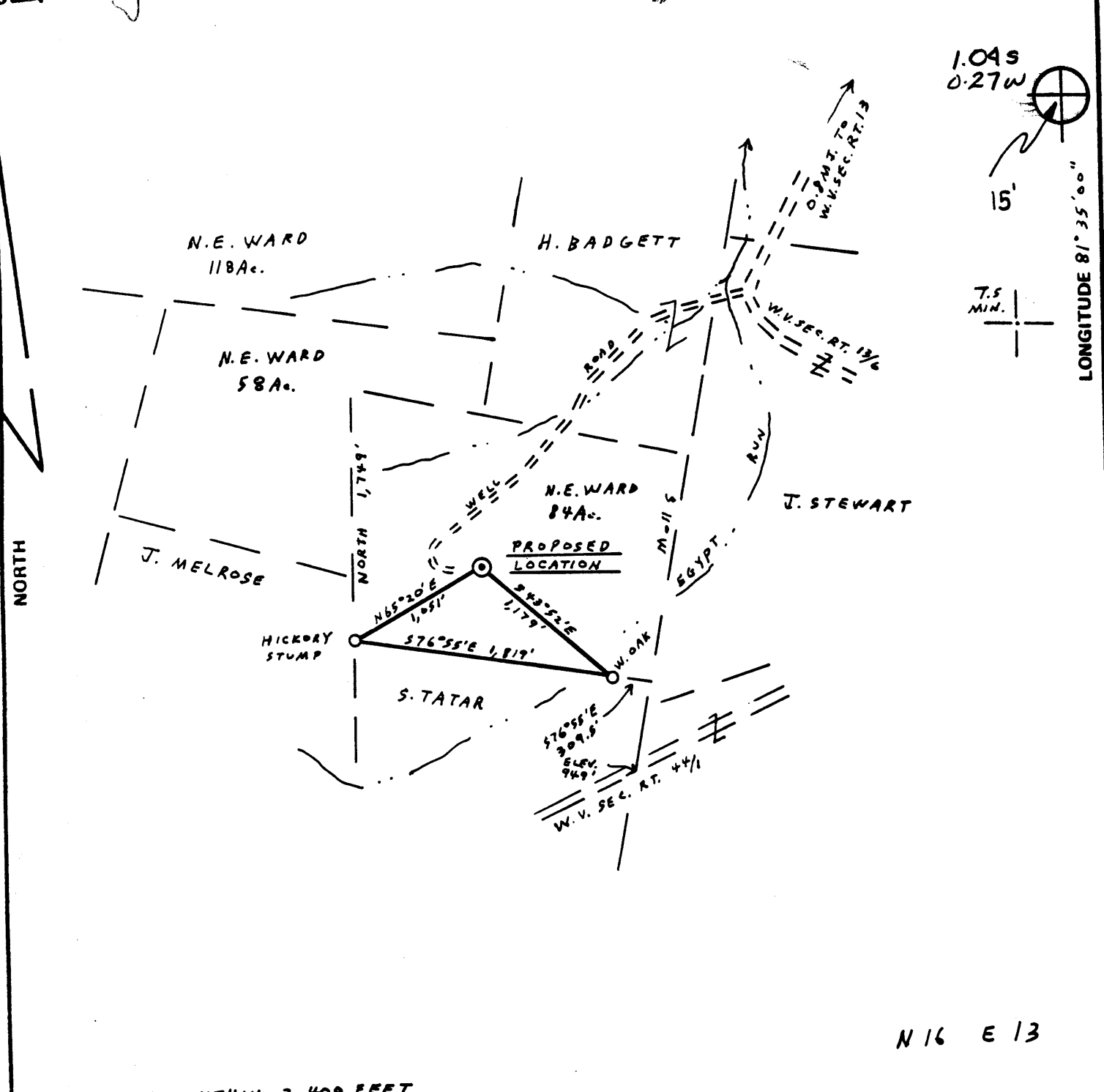
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 951 WATER SHED EGYPT RUN
 DISTRICT TYGART COUNTY WOOD
 QUADRANGLE SOUTH PARKERS BURG

CNC

SURFACE OWNER NOAH E. AND THELMA D. WARD ACREAGE 84
 OIL & GAS ROYALTY OWNER EARL B. SHEPARD, ET AL. LEASE ACREAGE 142
 LEASE NO. 83-09-1007

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 ORISKANY ESTIMATED DEPTH 4985' SEP 30 1983
 WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.



NO WELLS WITHIN 2,400 FEET

N 16 E 13

FILE NO. 6-13
 DRAWING NO. _____
 SCALE 1" = 1,000
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION SPOT ELEV. 949, 1,700' S.E. OF LOCATION

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 (SIGNED) Vincent W. Wood
 R.P.E. _____ L.L.S. 664

VINCENT W. WOOD
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE APRIL 28, 1983
 OPERATOR'S WELL NO. KEM 363
 API WELL NO. _____
47 - 107 - 1268
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 951 WATER SHED EGYPT RUN
 DISTRICT TYGART COUNTY WOOD
 QUADRANGLE SOUTH PARKERSBURG Belleville 15' C
 SURFACE OWNER NOAH E. AND THELMA D. WARD ACREAGE 84
 OIL & GAS ROYALTY OWNER EARL B. SHEPARD, ET AL. LEASE ACREAGE 142
 LEASE NO. B3-09-1007
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

JUL 05 1983

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 4985'
 WELL OPERATOR KAISER EXPLOR. & MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, W.V. 26164 RAVENSWOOD, W.V. 26164



1) Date: May 9, 19 83
 2) Operator's Well No. KEM #363
 3) API Well No. 47 107-1268
 State County Permit

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep X / Shallow)
- 5) LOCATION: Elevation: 281' Watershed: Egypt Run
 District: Tycart County: Wood Quadrangle: So. Parkersburg
- 6) WELL OPERATOR: Kaiser Exploration & Mining Co. 11) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 3 Address Same
Baverswood, WV 26164
- 7) OIL & GAS ROYALTY OWNER Carl B. Shepard, et al 12) COAL OPERATOR None
 Address Rt. 1, Box 9 Address
Mineral Wells, WV
- 8) SURFACE OWNER Noah E. & Thelma O. Ward 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address Name None
 Address
- 9) FIELD SALE (IF MADE) TO: 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Address Name None
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Homer Dougherty Address
Box 3A, Linden Rt.
Looneyville, WV
- 15) PROPOSED WORK: Drill X / 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, 4985 feet
- 18) Approximate water strata depths: Fresh, feet; salt, feet.
- 19) Approximate coal seam depths: 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									Kinds
Fresh water	10 3/4"			X		250	250	150 sks class A	to surface
Coal								65 sks 50/100	Sizes pozmix
Intermediate	7"			X		2110	2110	100 sks class A	
Production	4 1/2"			X		4985	4985	225 sks 50/100	Depth 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

Signed: [Signature]
 Its: General Manager

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1268 Date May 29

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 February 29, 1984 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee

Administrator, Office of Oil and Gas

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