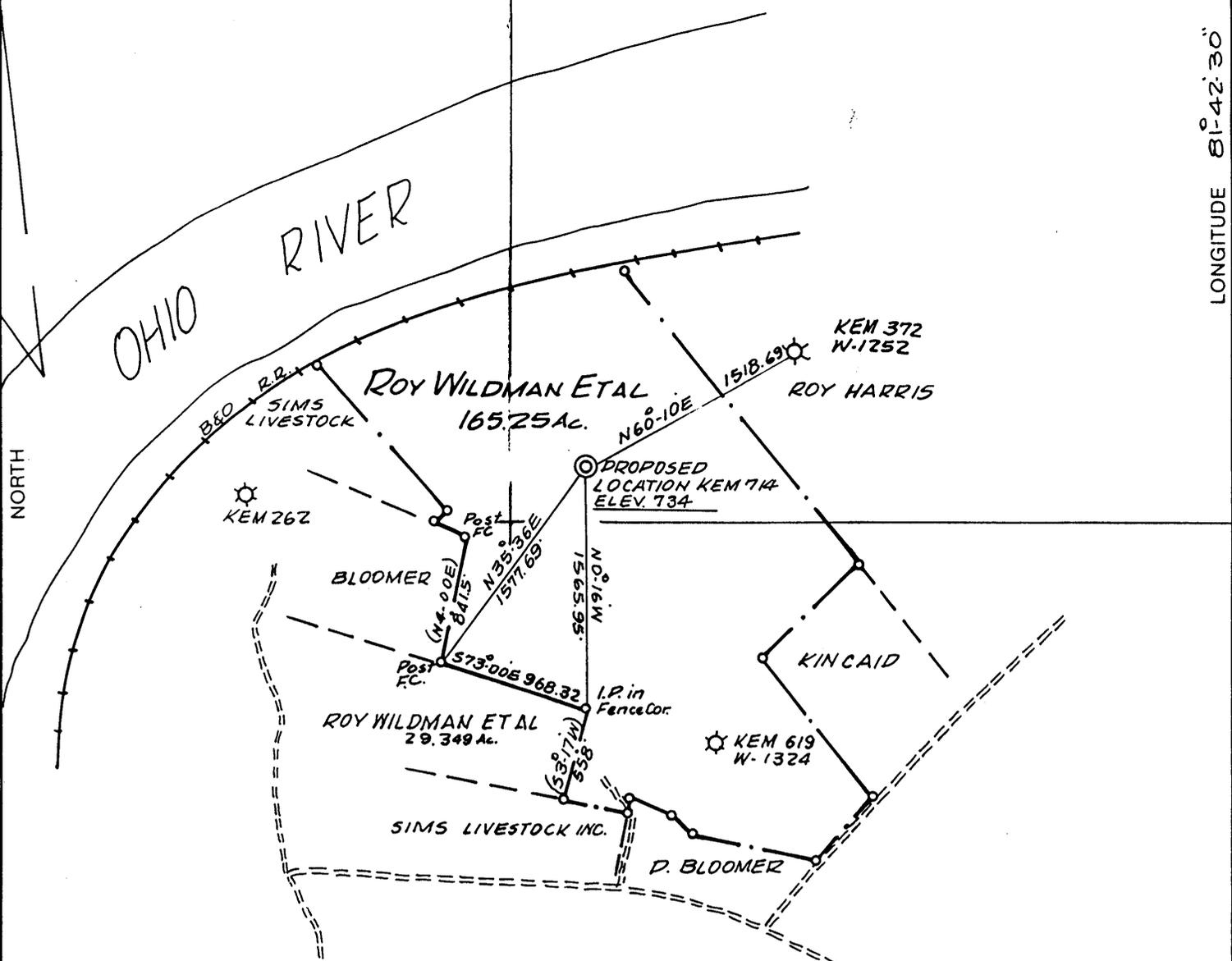


9/14/87

9,200'

LATITUDE 39°-12'-30"

LONGITUDE 81°-42'-30"

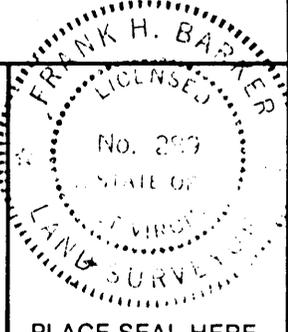


REFERENCE POINTS
 N69°30'E 102' TO 20" LOC.
 N47°40'W 55' TO 14" LOC.

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION KEM 372 W-1252 ELEV. 789

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) Frank H. Barber
 R.P.E. _____ L.L.S. 289



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUG. 31, 19 87
 OPERATOR'S WELL NO. KEM 714
 API WELL NO. _____

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 734 WATER SHED WHITES HOLLOW
 DISTRICT HARRIS COUNTY WOOD

47 - 107 - 1414
 STATE COUNTY PERMIT

CANCELLED

QUADRANGLE LUBECK
 SURFACE OWNER ROY WILDMAN, ROBERT & LUCILLE V. WILDMAN ACREAGE 165.25
 OIL & GAS ROYALTY OWNER ROY WILDMAN ETAL LEASE ACREAGE 165.25

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

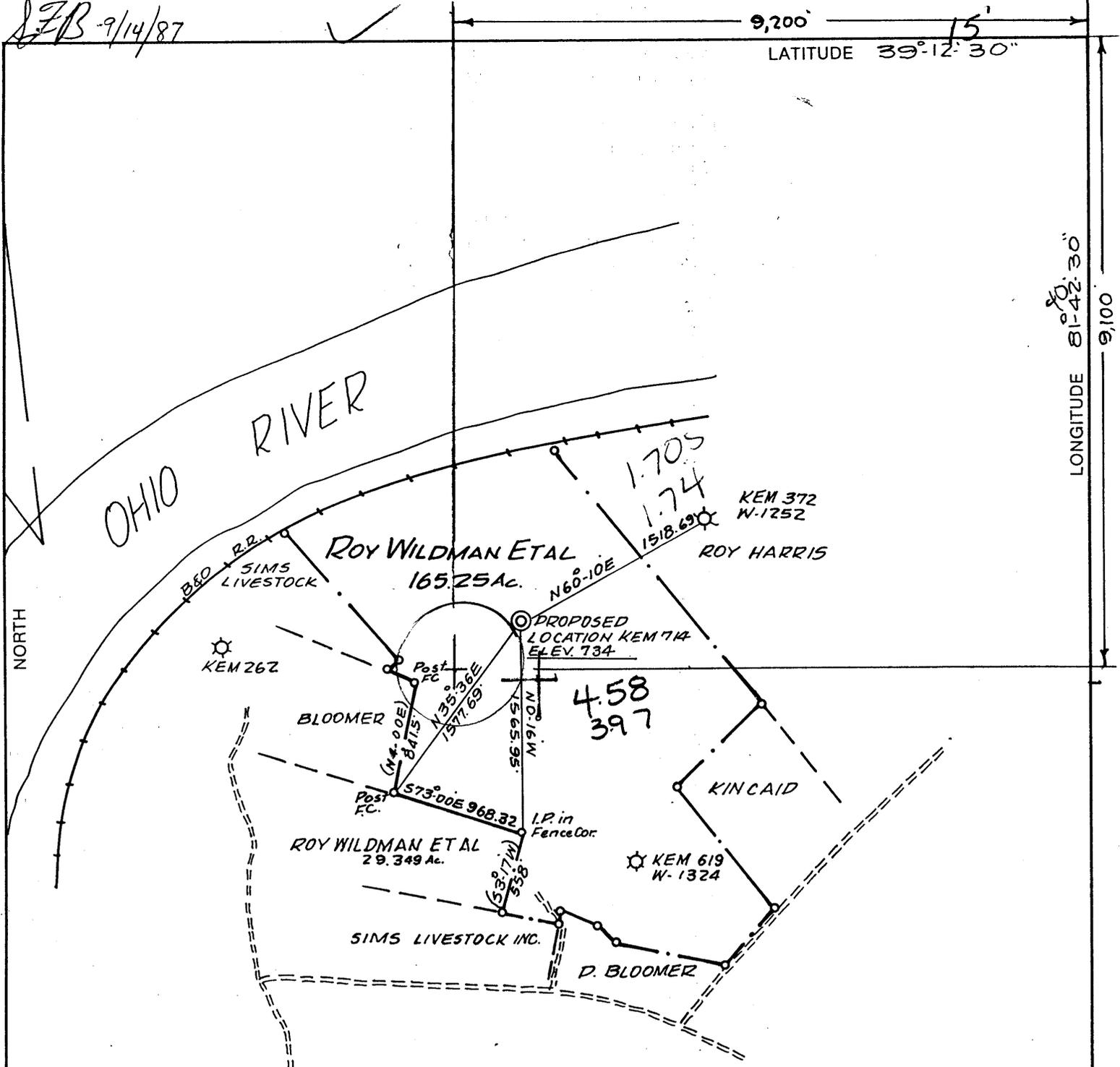
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BEREA ESTIMATED DEPTH 2015
 WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT R.A. DRYCE
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, WV. 26164 RAVENSWOOD, WV. 26164

FORM IV-6 (8-78) H.T. HALL

COUNTY NAME WOOD PERMIT 414

9/14/87

9,200' 15' LATITUDE 39°-12'-30"

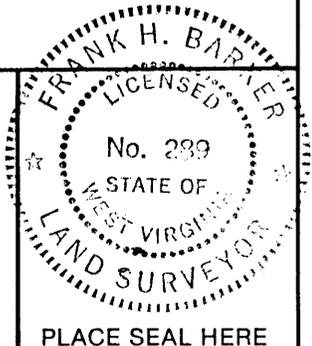


REFERENCE POINTS
 N69°30'E 102' TO 20" LOC.
 N47°40'W 55' TO 14" LOC.

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION KEM 372 W-1252 ELEV. 789

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) Frank H. Barber
 R.P.E. _____ L.L.S. 289



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUG. 31, 19 87
 OPERATOR'S WELL NO. KEM 714
 API WELL NO. 47-107-1414
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 734 WATER SHED WHITES HOLLOW
 DISTRICT HARRIS 2 COUNTY WOOD
 QUADRANGLE LUBECK 449 009 1 Belleville NW
 SURFACE OWNER ROY WILDMAN, ROBERT & LUCILLE V. WILDMAN ACREAGE 165.25
 OIL & GAS ROYALTY OWNER ROY WILDMAN ET AL LEASE ACREAGE 165.25

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 BEREA ESTIMATED DEPTH 2015
 WELL OPERATOR KAISER EXPLORATION & MINING Co. DESIGNATED AGENT R.A. DRYCE
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, WV. 26164 465 RAVENSWOOD, WV. 26164

SEP 21 1987

FORM IV-6 (8-78) H.T. HALL

0016 EDUIGNOT 1-42:30

COUNTY NAME PERMIT



1) Date: September 1, 1987
 2) Operator's Well No. KEM #714
 3) API Well No. 47 State 107 County 1414 Permit

7/85
RECEIVED
SEP 03 1987

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 / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 734' Watershed: Whites Hollow
 District: Harris County: Wood 107 Quadrangle: Lubeck 449
- 6) WELL OPERATOR Kaiser Exploration and Mining Company CODE: 25550 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Glen Robinson
 Address Mt. Pleasant Estates
Mineral Wells, WV
- 9) DRILLING CONTRACTOR: Name Unknown
 Address _____
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
- 12) Estimated depth of completed well, 2015' feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP 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	Cement to surface	Sizes
Coal									
Intermediate									
Production	7"			X		2015	2015	300 sks 50/50 pozmix	
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

47-107-1414

September 15

19 87

Permit number _____

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 15, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Fee: <u>230</u> <u>6587</u>	Other: <input type="checkbox"/>
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. ...
Director, Division of Oil and Gas