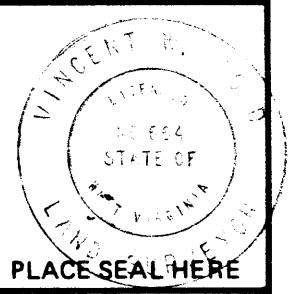


N15E5

FILE NO. 6-42
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INTER. ELEV. = 601', 430' N.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



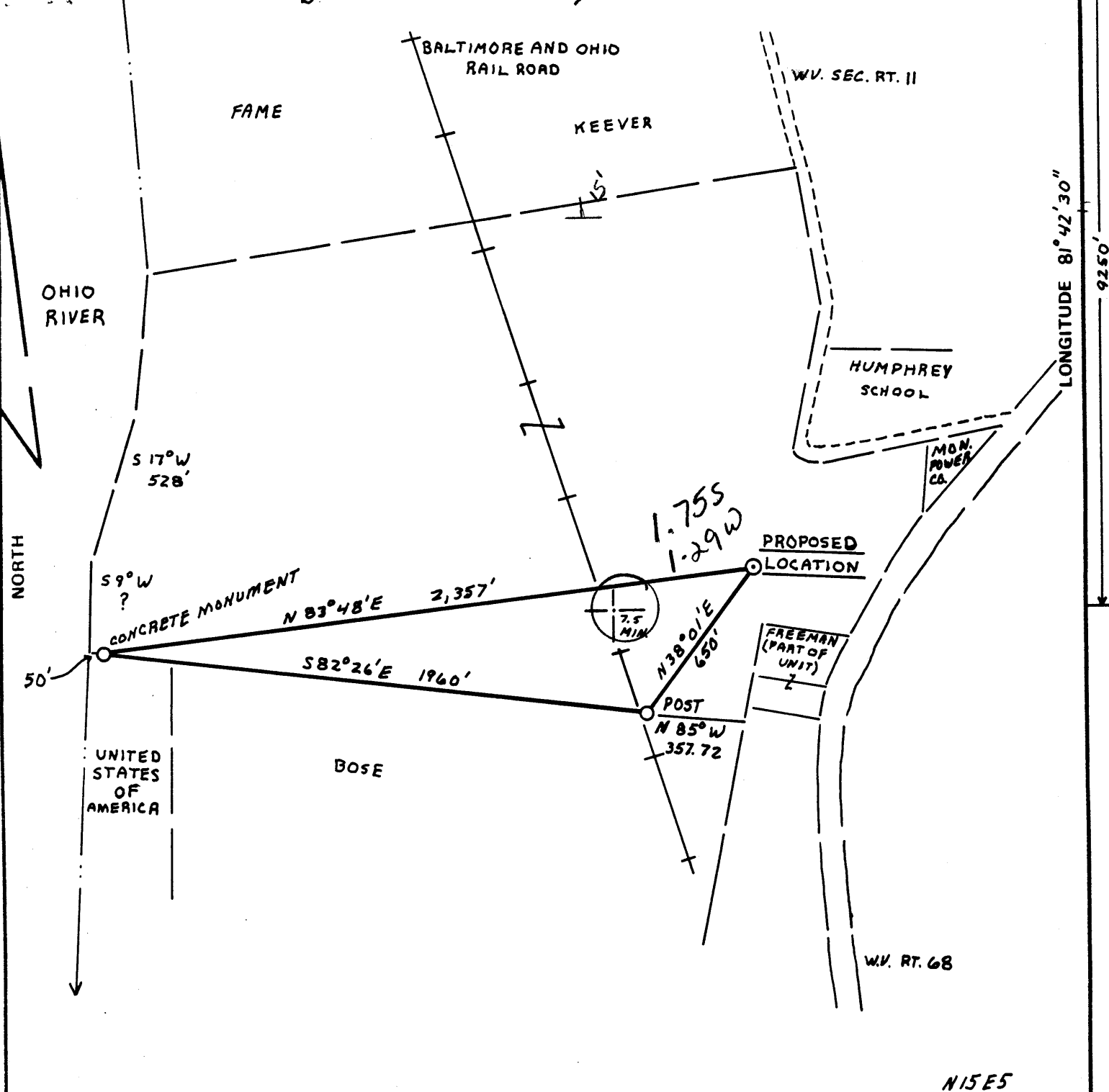
DATE AUGUST 1, 19 83
 OPERATOR'S WELL NO. KEM 392
 API WELL NO. _____
47 - 107 - 1283
 STATE COUNTY PERMIT

(+) 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 598 WATER SHED OHIO RIVER
 DISTRICT HARRIS COUNTY WOOD
 QUADRANGLE LUBECK
 SURFACE OWNER HAROLD L. HUMPHREY, ET AL. ACREAGE 86
 OIL & GAS ROYALTY OWNER HAROLD L. HUMPHREY, ET AL. LEASE ACREAGE 86
 LEASE NO. 85-01-2174
 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 4193'
 WELL OPERATOR KAISER EXPL. AND MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8

FORM IV-6 (8-78)

WOOD 1283



FILE NO. 6-42
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION ROAD INTER. ELEV. = 601', 430' N.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

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE AUGUST 1, 19 83
 OPERATOR'S WELL NO. KEM 392
 API WELL NO. 47-107-1283
 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 598 WATER SHED OHIO RIVER
 DISTRICT HARRIS COUNTY WOOD
 QUADRANGLE LUBECK Bellville 15' WC
 SURFACE OWNER HAROLD L. HUMPHREY, ET AL. ACREAGE 86
 OIL & GAS ROYALTY OWNER HAROLD L. HUMPHREY, ET AL. LEASE ACREAGE 86
 LEASE NO. 85-01-2174
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

OCT 3 1983

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 4193'
 WELL OPERATOR KAISER EXPL. AND MIN. CO. DESIGNATED AGENT KAISER EXPLORATION AND MINING CO.
 ADDRESS P.O. BOX 8 ADDRESS P.O. BOX 8
RAVENSWOOD, WV. 26164 RAVENSWOOD, WV. 26164



1) Date: August 9, 19 83
 2) Operator's Well No. KEM #392
 3) API Well No. 47 - 107 - 1283
 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 X
 B (If "Gas", Production X / Underground storage _____ / Deep X / Shallow _____)
 5) LOCATION: Elevation: 598' Watershed: Ohio River
 District: Harris County: Wood Quadrangle: Lubeck
 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 Address Same
Ravenswood, WV 26164
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Homer Dougherty
 Address Linden Rt., Box 3A
Looneyville, WV
 9) DRILLING CONTRACTOR: Name Clint Hurt
 Address P. O. Box 388
Elkview, WV
 10) PROPOSED WELL WORK: Drill X / 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, 4193 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 FILL-UP OF SACKS (Cubic Feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									
Fresh water	<u>10 3/4"</u>			<u>X</u>		<u>250</u>	<u>250</u>	<u>150 sks class A to surface</u>	
Coal									
Intermediate	<u>7"</u>			<u>X</u>		<u>1594</u>	<u>1594</u>	<u>65 sks 50/50 no mix</u>	
Production	<u>4 1/2"</u>			<u>X</u>		<u>4193</u>	<u>4193</u>	<u>100 sks class A no mix</u> <u>225 sks 50/50 no mix</u>	
Tubing									
Liners									Perforations: Top _____ Bottom _____

RECEIVED
 1983 SEP 26 10 00 AM

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-107-1283 Date September 26, 19 83

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 26, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>OB</u>	Agent: <u>et</u>	Plat: <u>et</u>	Casing: <u>et</u>	Fee: <u>965089</u>
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T. W. H.
 Administrator, Office of Oil and Gas

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

RECEIVED

AUG - 3 1983

Date: August 1, 19 83

FORM IV-38

Operator's Well No. JOHN MILLS #158

[08-78]

API Well No. 47 - 103 - 1283-P
State County Permit

OIL & GAS DIVISION
DEPT. OF MINES
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION

AFFIDAVIT OF PLUGGING AND FILLING WELL

WELL TYPE: Oil X / Gas ___ / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)
LOCATION: Elevation: 1080 Watershed: Buffalo Run
District: Grant County: Wetzel Quadrangle: Pine Grove

WELL OPERATOR Quaker State Oil Refining Corp. DESIGNATED AGENT Carl J. Carlson
Address P.O. Box 1327 Address Same
Parkersburg, WV 26101

STATE OF WEST VIRGINIA,)
COUNTY OF Wood) SS:
Ben Thomas and Jack Sutherland

being first duly sworn according to law, depose and say that they are experienced in the work of plugging and filling oil and gas wells; that they were employed by Quaker State Oil Refining Corp., the well operator, and participated in the work of plugging and filling the above well; that the work was commenced on July 16, 19 83, and completed on July 16, 19 83, in the following manner:

PERMITTED WORK: Plug and abandon X / Clean out and replug ___ /

PLUGGING MATERIALS

Type of Cement	Other Materials	Top Depth	Thickness
Fly Ash		2850	50
	Gel	2300	550
Fly Ash		2200	100
	Gel	900	1300
Fly Ash		800	100
	Gel	250	550
Fly Ash		150	100
	Gel	50	100
Fly Ash		Surface	50

VENT PIPE

MISCELLANEOUS MATERIALS

CASING LOST None

TYPE OF RIG:

Owner: Well Op'r ___ / Contractor X /

Rig time: 0 days plus 9 hours

COAL SEAMS (NAMES AND DEPTHS)

Pittsburgh Coal

DESCRIPTION OF WELL MONUMENT

Marker Dimensions - 4" X 3' height.
Includes; well name, well number,
permit number, and plugging date.

Ben Thomas (SEAL)
Jack Sutherland (SEAL)

Subscribed and sworn to before me this
1st day of August, 19 83.

My commission expires July 2, 19 86.

Connie Buck
Notary Public

WOOD 1283-P