

10/11

CODE

CARD

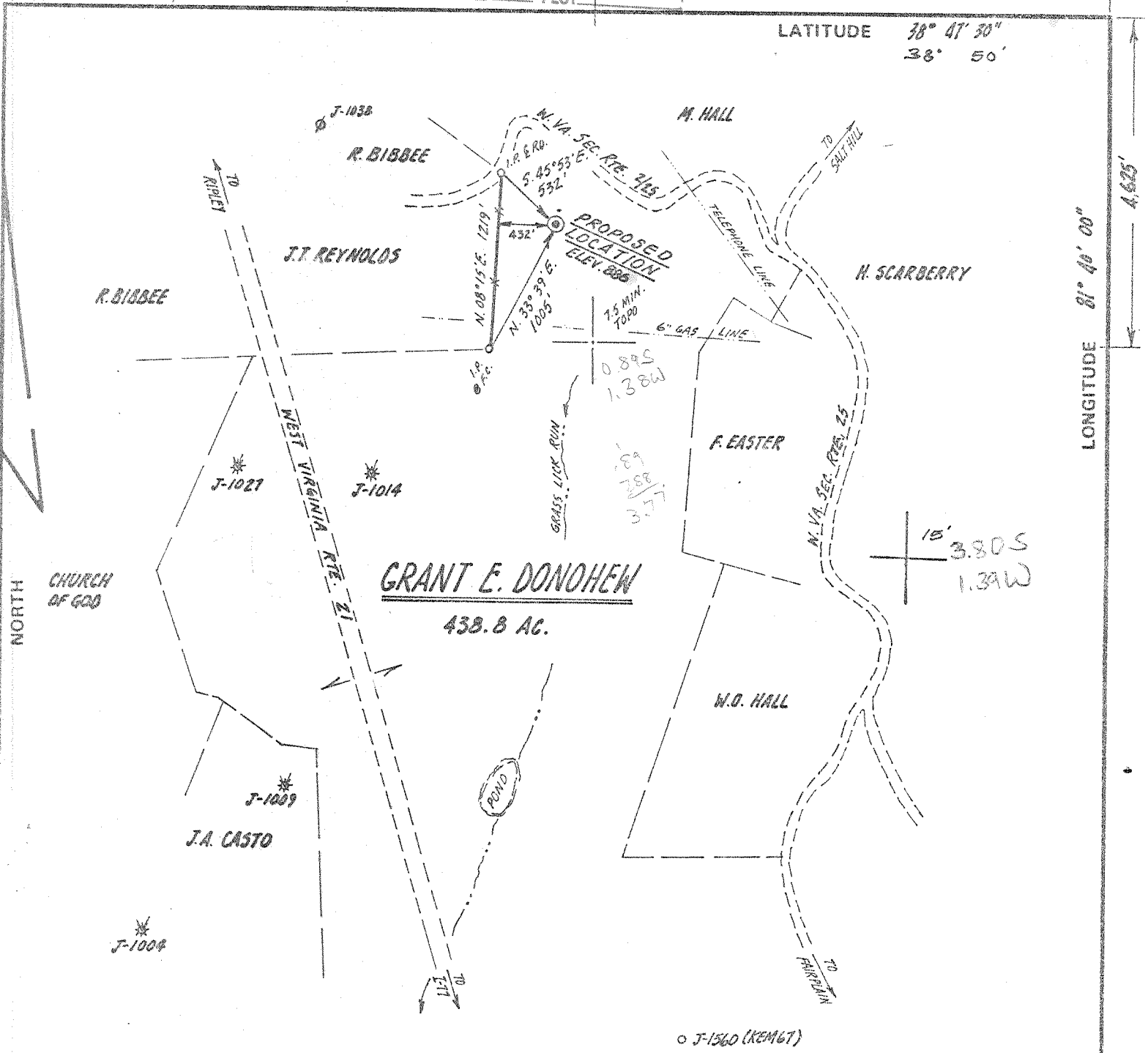
PLOT

7,200'

LATITUDE 38° 47' 30"
38° 50'

LONGITUDE 81° 40' 00"
4,625'

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION "REYNOLDS HILL" BM WEST OF PROPOSED 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) Demetrius L. Fisher
 R.P.E. _____ L.L.S. #670

PLACE SEAL HERE

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



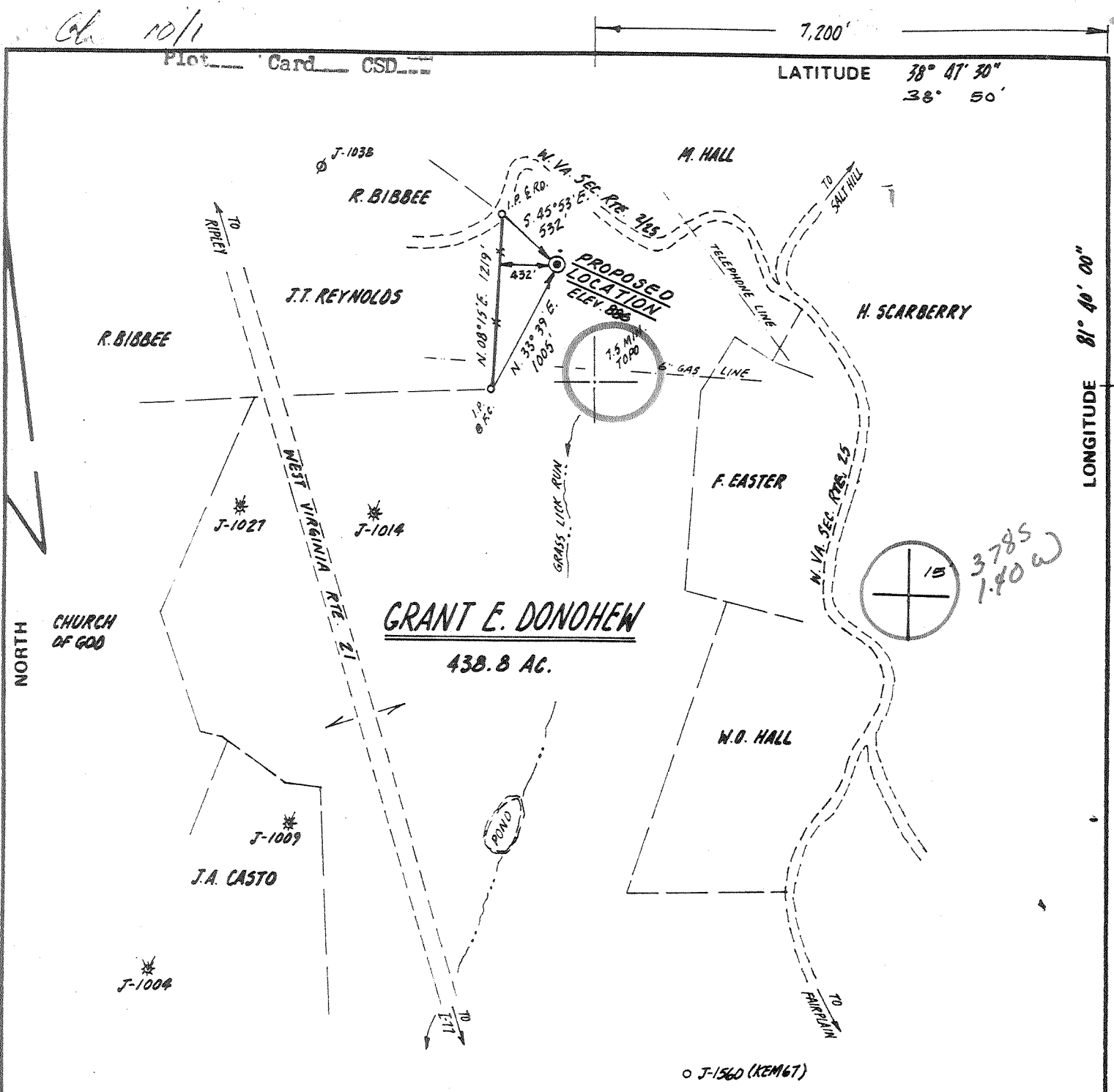
DATE JULY 9, 19 81
 OPERATOR'S WELL NO. KEM 110
 API WELL NO. 47-035-1614 Frac
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 886 WATER SHED GRASS LICK RUN
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY WC
 SURFACE OWNER GRANT E. DONOHEW ACREAGE 438.8
 OIL & GAS ROYALTY OWNER GRANT E. DONOHEW LEASE ACREAGE _____
 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 BRISKANY ESTIMATED DEPTH 5050'
 WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLORATION & MINING COMPANY
 ADDRESS PO BOX 8, RAVENSWOOD, WEST VIRGINIA 26164 ADDRESS PO BOX 8, RAVENSWOOD, WEST VIRGINIA 26164
01110 6-6 Elk-Poca (Sissonville) (192)

JACKSON 1516-FRAC




FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION "REYNOLDS HILL" BM WEST OF PROPOSED 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) Donnas L. Ashor
 R.P.E. _____ L.L.S. #670

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)
 WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 885 WATER SHED GRASS LICK RUN
 DISTRICT RIPLEY COUNTY JACKSON
 QUADRANGLE RIPLEY N15' S0
 SURFACE OWNER GRANT E. DONOHEW ACREAGE 438.8
 OIL & GAS ROYALTY OWNER GRANT E. DONOHEW LEASE ACREAGE _____
 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 BRISKANY ESTIMATED DEPTH 5050'
 WELL OPERATOR KAISER EXPLORATION & MINING CO. DESIGNATED AGENT KAISER EXPLORATION & MINING COMPANY
 ADDRESS PO BOX 8, RAVENSWOOD, WEST VIRGINIA 26164 ADDRESS PO BOX 8, RAVENSWOOD, WEST VIRGINIA 26164



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JULY 9, 19 81
 OPERATOR'S WELL NO. KEM 110
 API WELL NO. _____
47 - 035 - 1616
 STATE COUNTY PERMIT

OCT 22 1981



Revised

IV-35 (Rev 8-81)

JUN 23 1983

Date June 21, 1983
Operator's Well No. KEM #110
Farm Grant Donohew
API No. 47 - 035 - 1616

State of West Virginia
OIL & GAS DIVISION
DEPT. OF MINES
Department of Mines
Oil and Gas Division

JUL 05 1983

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 886' Watershed Grasslick Run
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration and Mining Company
ADDRESS P. O. Box 8, Ravenswood, WV 26164
DESIGNATED AGENT R. A. Pryce
ADDRESS Same
SURFACE OWNER Grant Donohew
ADDRESS South Church Street, Ripley, WV 25271
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Homer Dougherty
ADDRESS Linden Rt., Box 3A, Looneyville
PERMIT ISSUED 9/6/81
DRILLING COMMENCED 10/29/81
DRILLING COMPLETED 10/28/81

Table with 4 columns: Casing Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 10 3/4", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 5225 feet
Depth of completed well 5255 feet Rotary X / Cable Tools
Water strata depth: Fresh -- feet; Salt -- feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Oriskany Sandstone Pay zone depth 5150 feet
Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 200 Mcf/d Final open flow -- Bbl/d
Time of open flow between initial and final tests -- hours
Static rock pressure 1600 psig (surface measurement) after 24 hours shut in
NOTE: uneconomical to produce due to excessive salt water
Second producing formation Brown Shale Pay zone depth 4137-4364 feet
Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d
Final open flow 250 Mcf/d Oil: Final open flow -- Bbl/d
Time of open flow between initial and final tests -- hours
Static rock pressure 850 psig (surface measurement) after 72 hours shut in

(Continue on reverse side)

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

6/1/83: McCullough Services set Baker Model S permanent bridge plug in 4 1/2" casing at 4480' (KB); perforated Brown Shale selectively from 4137'-4364' (KB); 20 holes .39" diameter.

6/16/83: NOWSCO, B.J. HUGHES 75 quality foam fractured above interval with 60,000# of mesh sand, 321 bbl water; 810,000 SCF nitrogen; 40 BPM controlled rate; break-down was 2400 psig; average treating pressure was 2800 psig; ISIP: 1200 psig.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Same as original OG-10					never rec'd 7/11/83-

(Attach separate sheets as necessary)

KAISER EXPLORATION AND MINING COMPANY
Well Operator
By: R.A.P.
Date: General Manager

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 coal, encountered in the drilling of a well."

RECEIVED

JUN 19 1985

W. VA. OIL & GAS
CONSERVATION COMMISSION



Date June 5, 1985
Operator's
Well No. KEM 110
Farm Grant Donohew
API No. 47 - 035 - 1616 FRA

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow X /)

LOCATION: Elevation: 886' Watershed Grasslick Run
District: Ripley County Jackson Quadrangle Ripley

COMPANY Kaiser Exploration & Mining Co.
ADDRESS P. O. Box 8, Ravenswood, WV .26164
DESIGNATED AGENT R. A. Pryce
ADDRESS Same
SURFACE OWNER Grant Donohew
ADDRESS S. Church Street, Ripley, WV 25271
MINERAL RIGHTS OWNER Same
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Jerry
Tephabock ADDRESS Ripley, WV 25271
PERMIT ISSUED 9/6/81
DRILLING COMMENCED 10/19/81
DRILLING COMPLETED 10/29/81 *(4/30/85 FRAC)*

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10" ^{3/4}	250' KB	250' KB	150 sks class A
9 5/8			
8 5/8			
7	2460' KB	2460' KB	65 sks 50/60 po. 100 sks class A
5 1/2			
4 1/2		5234' KB	225 sks pozmix
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 5225 feet

Depth of completed well 5225 feet Rotary X / Cable Tools

Water strata depth: Fresh -- feet; Salt -- feet

Coal seam depths: None Is coal being mined in the area? NO
Drilled on fluid not known.

*Plugged, uneconomical to produce due to
OPEN FLOW DATA excessive salt water.

Producing formation Brown Shale Pay zone depth 4137-4364 feet

Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 250 Mcf/d Final open flow -- Bbl/d

Time of open flow between initial and final tests -- hours

Static rock pressure .850 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)

Second producing formation Berea Sandstone Pay zone depth 2565-2575 feet

Gas: Initial open flow -- Mcf/d Oil: Initial open flow -- Bbl/d

Final open flow 347.7 Mcf/d Oil: Final open flow -- Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 900 psig (surface measurement) after 72 hours shut in

new zone completed

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

4/29/85 Young's perf Berea Sandstone @ 2565' - 2575' with 3 shots/ft, 30 shots (.39").
 4/30/85 NOWSCO to 75% quality foam frac Berea Sandstone. Breakdown pressure: 1950
 psig; treating pressure: 2000 - 2200 psig; sand: 60,000# 20/40 @ 4 - 10
 ppg concentrations; total N₂: 837,500 scf; total sand laden fluid: 198 bbl;
 total fluid: 279 bbl; ISIP: 1670 psig; 5 min SIP: 1460 psig. Flow back
 through 1/2" choke.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Same as previously submitted.			?		

(Attach separate sheets as necessary)

Kaiser Exploration & Mining Company
 Well Operator

By: [Signature]

Date: June 5, 1985

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
 voids, encountered in the drilling of a well."

RECEIVED

JUN 23 1983

FORM OG-8

JUL 05 1983

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION PARTIAL

OIL & GAS DIVISION DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE. ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE ADDRESSES.

None
COAL OPERATOR OR OWNER
ADDRESS
Kaiser Exploration and Mining Company
NAME OF WELL OPERATOR
P. O. Box 8, Ravenswood, WV 26164
COMPLETE ADDRESS
June 21 19 83
WELL AND LOCATION
Ripley District
Jackson County
Grant Donohew
LEASE OR PROPERTY OWNER
South Church Street, Ripley, WV 25271
ADDRESS
Well No. KEM #110
Grant Donohew Farm

STATE INSPECTOR SUPERVISING PLUGGING Homer Dougherty

AFFIDAVIT

STATE OF WEST VIRGINIA, County of Jackson } SS:

R. A. Pryce and R. L. Coty 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 and were employed by Kaiser Exploration and Mining Co. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1st day of June, 19 83, and that the well was plugged and filled in the following manner:

Table with columns: SAND OR ZONE RECORD, FILLING MATERIAL, PLUGS USED, CASING. Includes entries for Oriskany Sandstone and Shale interval.

and that the work of plugging and filling said well was completed on the 1st day of June, 19 83.

And further deponents saith not.

Sworn to and subscribed before me this 21 day of June, 19 83

Notary Public signature: R.A.P., R.L. Coty, Kathleen Halbert

My commission expires: December 1, 1985

Permit No. JAC-1616



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES
SEP 30 1981

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 29, 1981
Company Kaiser Exploration and Mining Company
Address P. O. Box 8, Ravenswood, WV 26164
Farm Grant Donohew Acres 438.8
Location (waters) Grass Lick Run
Well No. KEM #110 Elevation 886'
District Ripley County Jackson
Quadrangle Ripley

Surface Owner Grant Donohew
Address South Church Street, Ripley, WV 25271
Mineral Owner Grant Donohew
Address South Church Street, Ripley, WV 25271
Coal Owner Same
Address Same
Coal Operator None
Address _____

PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 6-6-82

John R. Ruppelle
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Richard Morris
ADDRESS P. O. Box 372, Grantsville, WV
PHONE 354-7259

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated October 8 1980 by Grant and Naomi Donohew made to Kaiser Exploration and Mining Co. and recorded on the 5th day of November 1980 in Jackson County, Book 157 Page 681
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours
(Sign Name) J. A. P.
Well Operator
KAISER EXPLORATION AND MINING COMPANY
P. O. Box 8
Street
Ravenswood
City or Town
West Virginia 26164
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clint Hurt & Associates, Inc. NAME R. A. Pryce
 ADDRESS P. O. Box 388, Elkview, WV ADDRESS P. O. Box 8, Ravenswood, WV 26164
 TELEPHONE 344-2401 TELEPHONE 273-5371
 ESTIMATED DEPTH OF COMPLETED WELL: 5225' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 10 3/4"	250'	250'	150 sks class A
9 - 5/8			
8 - 5/8			
7	2475'	2475'	65 sks 50/50 pozmix
5 1/2			60 sks class A
4 1/2	5281'	5281'	225 sks 50/50 pozmix
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? None BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

FILE COPY
RECEIVED

MAR 29 1985



1) Date: March 21, 19 85
 2) Operator's Well No. KEM #110
 3) API Well No. 47 - 035 - 1616-FRAC
 State County Permit

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 / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 886' Watershed: Grasslick Run
 District: Ripley County: Jackson Quadrangle: Ripley
- 6) WELL OPERATOR Kaiser Exploration and Mining Co. 7) DESIGNATED AGENT R. A. Pryce
 Address P. O. Box 8 25550 Address Same
Ravenswood, WV 26164
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock
 Address Rt. 1, Box 101A
Ripley, WV 25271
- 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) Squeeze 4 1/2" casing; treat Berea
- 11) GEOLOGICAL TARGET FORMATION, Berea
- 12) Estimated depth of completed well, 4480 PBTB feet
- 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: None Is coal being mined in the area? Yes _____ / No
- 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	Left in well		
Conductor									Kinds
Fresh water	10 3/4			X		250'	250'	150 sks class A	
Coal								65 sks 50/50 pozmix	Sizes
Intermediate	7"			X		2460'	2460'	100 sks class A	
Production									Depths set
Tubing	4 1/2"			X		5234'	5234'	225 sks pozmix	
Liners									Perforations: <u>By sub 1501</u>
									Top Bottom

**OFFICE USE ONLY
 DRILLING PERMIT**

Permit number 47-035-1616-FRAC Date March 29, 19 85

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 March 29, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>86</u>	Agent: <u>LW</u>	Plat: <u>JH</u>	Casing: <u>Opt. 968721</u>	Fee
-----------------	------------------	-----------------	----------------------------	-----

Jerry Tephabock
 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