

FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION RD. INT. ELEV. 1067'

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) William Williams
 R.P.E. _____ L.L.S. 551

WILLIAM W. WILLIAMS
 REGISTERED SURVEYOR
 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

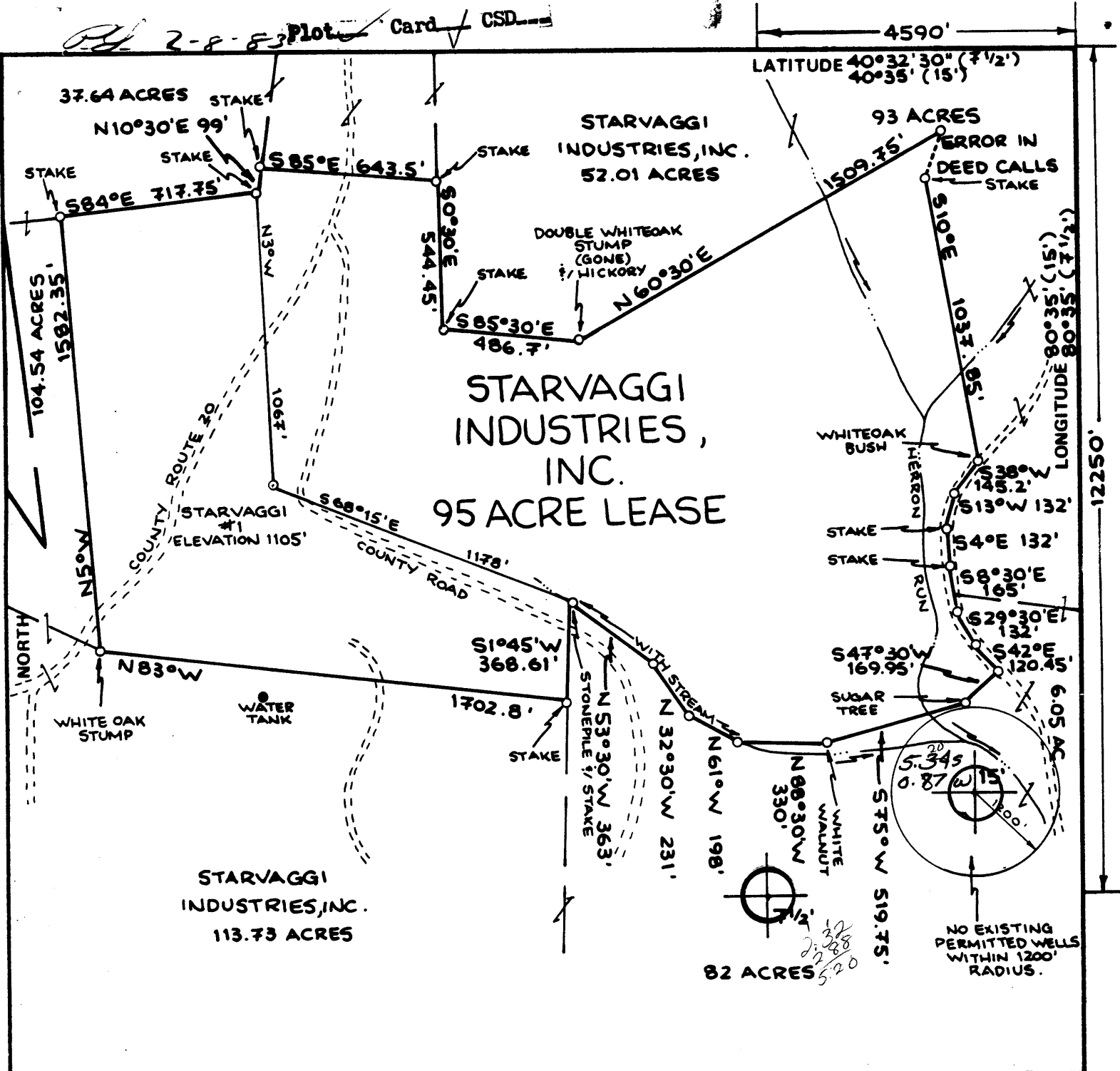
DATE 21 JANUARY, 19 83
 OPERATOR'S WELL NO. STARVAGGI #1
 API WELL NO. _____
47 - 029 - 0109
 STATE COUNTY PERMIT

Cancelled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 1105' WATER SHED HERRON RUN ?/ OHIO RIVER
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE EAST LIVERPOOL SOUTH, OHIO-W.VA.-PA. 7 1/2' QUAD.
 SURFACE OWNER STARVAGGI INDUSTRIES, INC. ACREAGE 95
 OIL & GAS ROYALTY OWNER STARVAGGI INDUSTRIES, INC. LEASE ACREAGE 95
 LEASE NO. _____
 PROPOSED WORK: DRILL 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 1800'
 WELL OPERATOR GLOBE REFRACTORIES, INC. DESIGNATED AGENT PAULA LEE WILLIAMS
 ADDRESS P.O. BOX D ADDRESS ROUTE 1, BOX 269
NEWELL, W.VA. 26050 CHESTER, W.VA. 26034

DEC 03 1984

HANCOCK 0109




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 (SIGNED) William R. Hesse
 R.P.E. _____ L.L.S. 551



(+) 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 21 JANUARY, 19 83
 OPERATOR'S WELL NO. STARVAGGI #1
 API WELL NO. _____

47 - 029 - 0109
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1105' WATER SHED HERRON RUN / OHIO RIVER
 DISTRICT CLAY COUNTY HANCOCK
 QUADRANGLE FACE LIVERPOOL SOUTHW. OHIO - W.VA. - PA. 7 1/2' QUAD. Wellsville 15' SC

SURFACE OWNER STARVAGGI INDUSTRIES, INC. ACREAGE 95
 OIL & GAS ROYALTY OWNER STARVAGGI INDUSTRIES, INC. LEASE ACREAGE 95
 LEASE NO. _____

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 WELL OPERATOR GLOBE REFRACTORIES, INC. DESIGNATED AGENT PAULA LEE WILLIAMS
 ADDRESS P.O. BOX D ADDRESS ROUTE 1, BOX 269
NEWELL, W.VA. 26050 CHESTER, W.VA. 26034

FEB 14 1983



1) Date: January 18, 1983
 2) Operator's Well No. Starvaggi #1
 3) API Well No. 47 029 0109
 State County Permit

DRILLING CONTRACTOR:

S.O.N.M. Drilling
Fairmont, W. Va.

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil X / Gas X /
 B (If "Gas", Production / Underground storage / Deep / Shallow X /)
- 5) LOCATION: Elevation: 1105' Watershed: Herron Run & Ohio River
 District: Clay County: Hancock Quadrangle: East Liverpool South, Ohio-W.Va. 7-1/2 Quad.
- 6) WELL OPERATOR Globe Refractories, Inc.
 Address P. O. Box D
Newell, W. Va. 26050
- 7) OIL & GAS ROYALTY OWNER Starvaggi Industries, Inc.
 Address 401 Penna. Ave.
Weirton, W. Va. 26062
 Acreage
- 8) SURFACE OWNER Starvaggi Industries, Inc.
 Address 401 Penna. Ave.
Weirton, W. Va. 26062
 Acreage
- 9) FIELD SALE (IF MADE) TO:
 Address
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Robert Lowther
 Address Middlebourne, W. Va. 26149
- 11) DESIGNATED AGENT Paula Lee Williams
 Address Route #1, Box 269
Chester, W. Va. 26034
- 12) COAL OPERATOR N/A
 Address
- 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name N/A
 Address
 Name
 Address
- 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name N/A
 Address
- 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, Gordon Sandstone
- 17) Estimated depth of completed well, 1600 feet
- 18) Approximate water strata depths: Fresh, 400 feet; salt, feet.
- 19) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X

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		Kinds	
Conductor	<u>11-3/4</u>		<u>42#</u>	<u>X</u>		<u>30'</u>	<u>Pulled</u>			
Fresh water	<u>8-5/8</u>		<u>20#</u>	<u>X</u>		<u>1000'</u>	<u>1000'</u>	<u>To surface</u>		
Coal	<u>N/A</u>									Sizes
Intermediate	<u>N/A</u>									
Production	<u>N/A</u>					<u>1600</u>	<u>1600</u>	<u>160 SF</u>		Depths set
Tubing	<u>N/A</u>									
Liners	<u>N/A</u>									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:
 Its:

OFFICE USE ONLY
 DRILLING PERMIT

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. 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 October 9, 1983 unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee

Administrator, Office of Oil and Gas