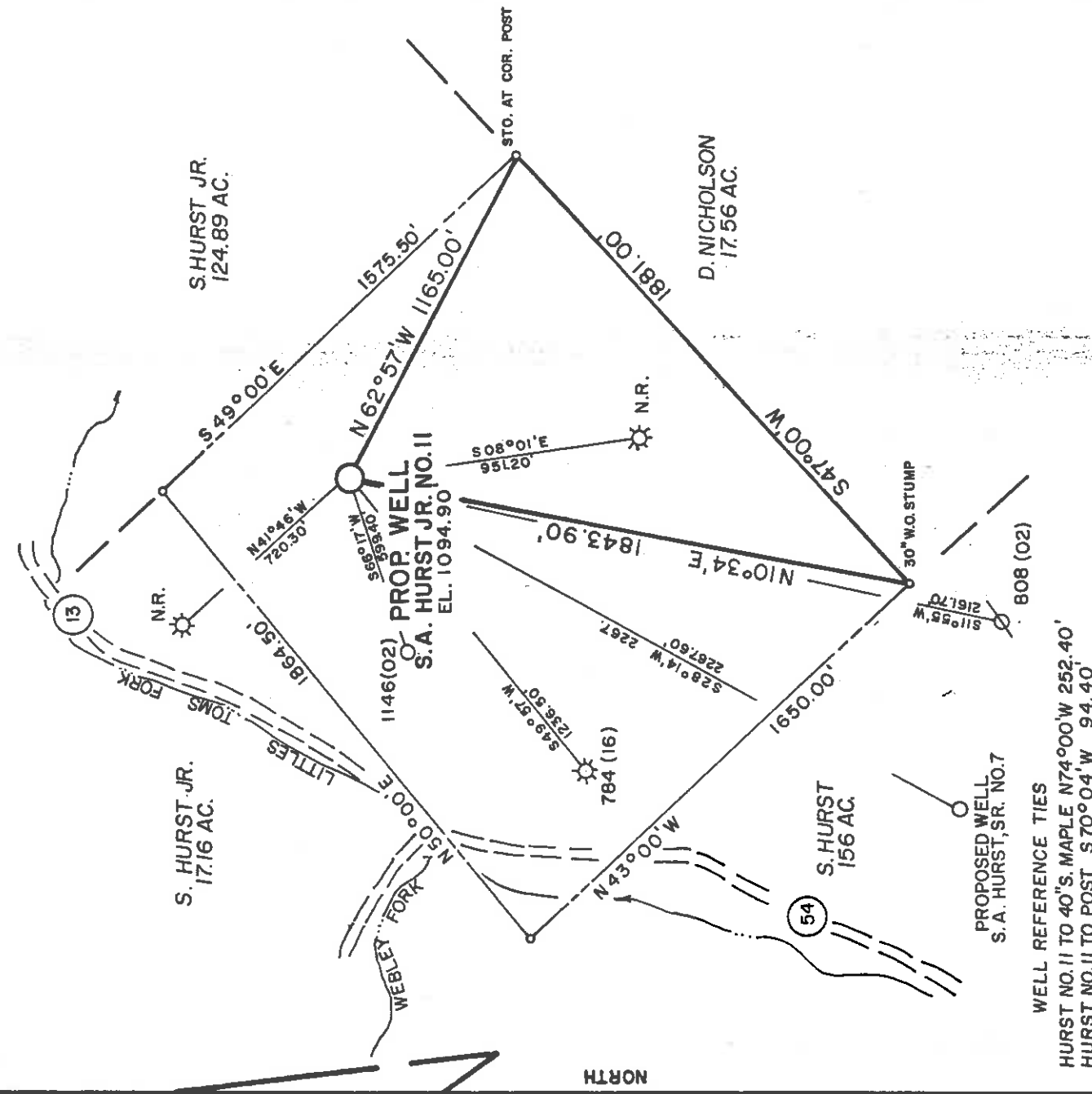


MS 5/12/86

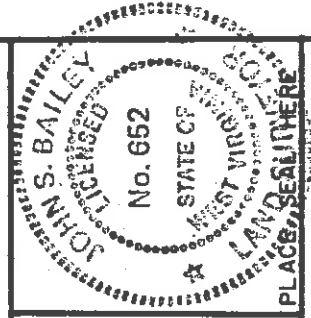
LATITUDE 39°12'30" LONGITUDE 80°42'30" 200' 7.5'



WELL REFERENCE TIES
 HURST NO. 11 TO 40\" S. MAPLE N74°00'W 252.40'
 HURST NO. 11 TO POST S70°04'W 94.40'

FILE NO. MSES 86-714
 DRAWN BY RVS - PAT
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. RT. 38.54 EL. 853'

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) John S. Bailey
 R. P. E. L. L. S. 652



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



DATE JANUARY 9, 1986
 OPERATOR'S WELL NO. S.A. HURST NO. 11
 API WELL NO. 47-017-3501
 STATE WEST VIRGINIA COUNTY CLATSOP PERMIT 47-017-3501

Department of Mines
 Oil & Gas Division

CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL SHALLOW DEEP
 (IF "GAS", PRODUCTION STORAGE
 LOCATION: ELEVATION 1094.90' WATER SHED LITTLE TOMS FORK TRIBUTARY OF MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5' (1976) NEAREST TOWN MARKET
 SURFACE OWNER STOKES HURST JR. ACREAGE 124.89
 OIL & GAS ROYALTY OWNER STOKES HURST JR. LEASE NO. 124.89

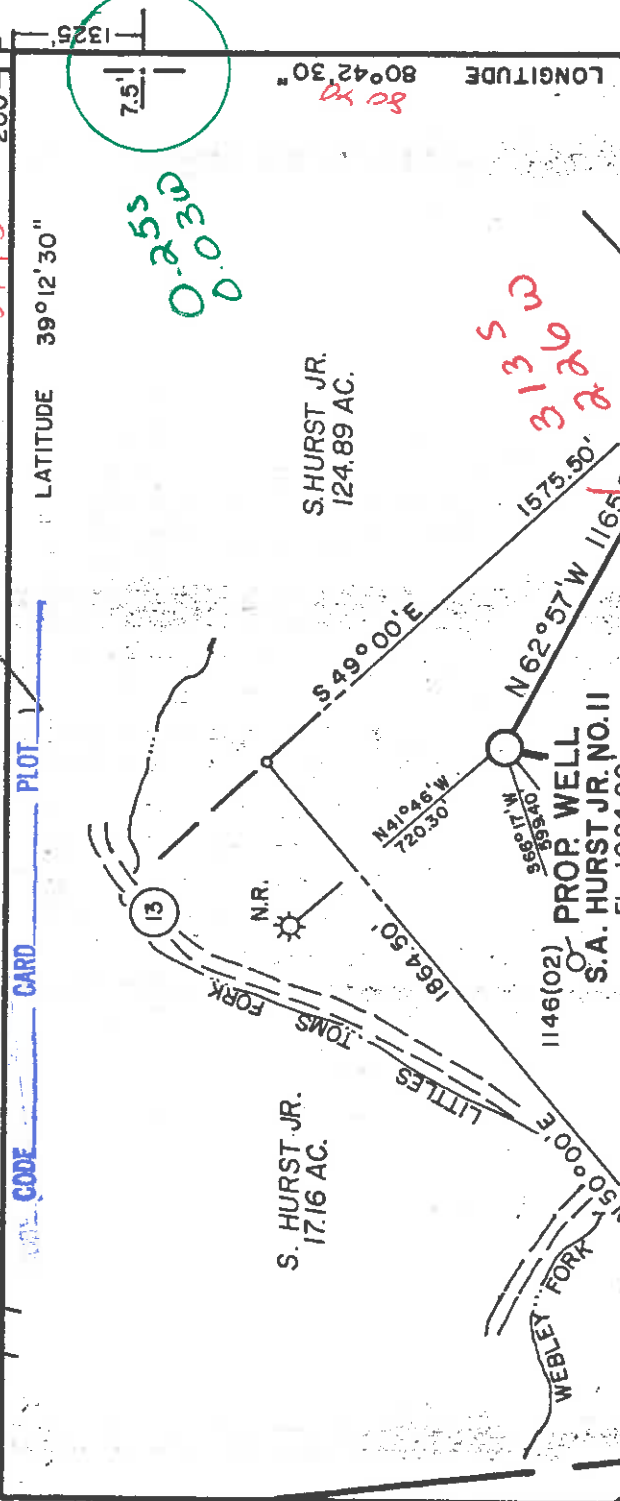
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 528.8'
 WELL OPERATOR Quaker State Oil Refining Corp. DESIGNATED AGENT Samuel F. Barber
 ADDRESS P.O. BOX 1327 ADDRESS P.O. BOX 1327
PARKERSBURG, W.V. 26101 PARKERSBURG, W.V. 26101

PREPARED BY MSES consultants, inc. Clatsop, WV
 AUG 01 1988

DODD 3501

AS 5/2/86

3915



LATITUDE 39°12'30"
 LONGITUDE 80°42'30"
 7.51
 0.25
 0.03

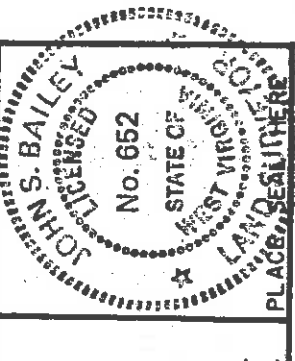
CODE CARD PLOT 1

NORTH

WELL REFERENCE TIES
 HURST NO. 11 TO 40°S. MAPLE N74°00'W 252.40'
 HURST NO. 11 TO POST S70°04'W 94.40'

FILE NO. MSES 86-714
 DRAWN BY RVS - PAT
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION IN RT. 13 & 54 EL. 853'

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) John S. Bailey
 L.S. 652



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



DATE JANUARY 9, 1986
 OPERATOR'S WELL NO. S.A. HURST NO. 11
 API WELL NO. 47-017-3501
 STATE W.V. COUNTY PUTNAM PERMIT

Department of Mines
 Oil & Gas Division

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1094.90' WATER SHED LITTLE TOMSFORK TRIBUTARY OF MEATHOUSE FORK
 DISTRICT NEW MILTON COUNTY DODDRIDGE
 QUADRANGLE NEW MILTON 7.5 (1976) 51 NEAREST TOWN NEW MARKET
 SURFACE OWNER STOKES HURST JR. ACREAGE 124.89
 OIL & GAS ROYALTY OWNER STOKES HURST JR. LEASE ACREAGE 124.89

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 ALEXANDER ESTIMATED DEPTH 550'
 WELL OPERATOR Quaker State Oil Refining Corp. DESIGNATED AGENT Samuel F. Barber
 ADDRESS P.O. BOX 1327 ADDRESS P.O. BOX 1327
PARKERSBURG, W.V. 26101 ADDRESS PARKERSBURG, W.V. 26101

MAY 19 1986



1) Date: FEBRUARY 18, 1986
2) Operator's Well No. S.A. HURST, JR. #11
3) API Well No. 47-017-3501
State County Permit

RECEIVED
MAY 2 1988
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DIVISION OF OIL & GAS APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: Oil / Gas XX
B (If "Gas", Production XX / Shallow XX / Deep)
5) LOCATION: Elevation: 1094.90' Watershed: LITTLE TOMS FORK OF MEATHOUSE FORK
District: NEW MILTON County: DODDRIDGE Quadrangle: NEW MILTON 7.5'57C
6) WELL OPERATOR/QUAKER STATE OIL CODE: 40400 7) DESIGNATED AGENT: SAMUEL F. BARBER
Address: P.O. BOX 1327 Address: 1226 PUTNAM HOWE DRIVE
PARKERSBURG, WV 26101 Address: BELPRE, OHIO 45714

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name HAROLD MIKE UNDERWOOD 9) DRILLING CONTRACTOR:
Address ROUTE #2, BOX 114 Name DEVELOPMENTAL DRILLING
SALEM, WV 26426 (304) 782-1043 Address P.O. DRAWER 0
JANE LEW, WV 26378

10) PROPOSED WELL WORK: Drill XX / deeper / Redrill / Stimulate XX
Plug off old formation / Perforate new formation
Other physical change in well (specify)
11) GEOLOGICAL TARGET FORMATION, ALEXANDER
12) Estimated depth of completed well, 5525' feet
13) Approximate true depths: Fresh, 200' feet; salt, 1535' feet.
14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No XX

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			Left in well
Conductor	11 3/4"	H-40	42	X		250'	250'	C.T.S. NEAT AS REQUIRED BY RULE 15.05
Fresh water								
Coal								
Intermediate	8 5/8"	H-40	20	X		2080'	2080'	
Production	4 1/2"	J-55	9.5	X		5525'	5525'	
Tubing	2"	J	4.5	X		5500'	5500'	
Lin...								

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-017-3501

May 15 19 86
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 May 15, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u> </u>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>15380</u>	WPCP: <u>AS</u>	S&E: <u>AS</u>	Other: <u> </u>
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NOTE: Keep one copy of this permit posted at the drilling location.

John H. Johnston by Margaret J. Hays
Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.