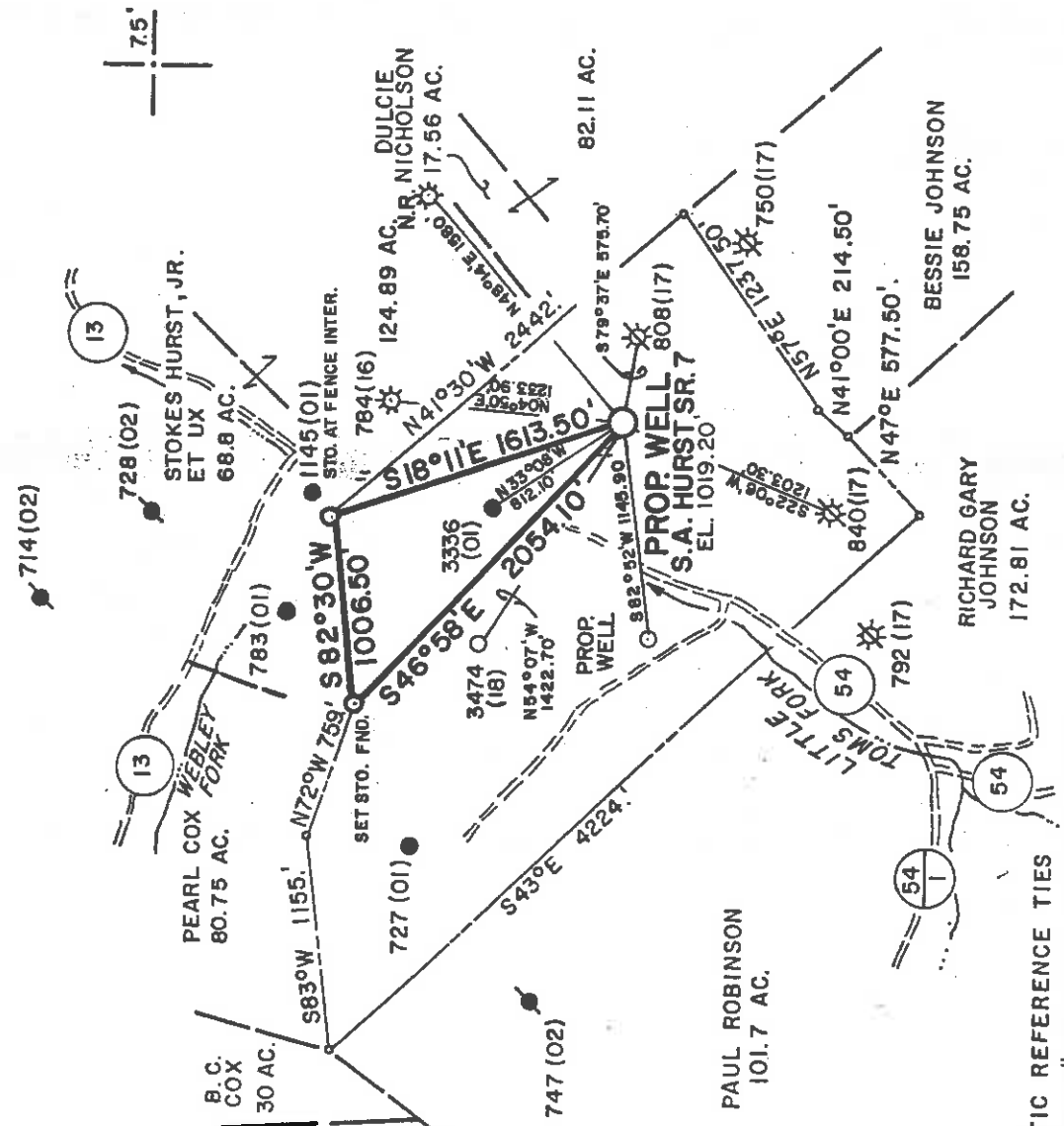


XL 2 5/2/86

LATITUDE 39°12'30"

LONGITUDE 80°42'30"

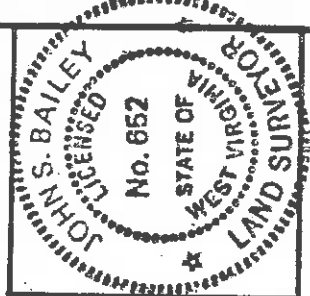
3325' 1450' 7.5'



MAGNETIC REFERENCE TIES  
 HURST NO.7 TO 28" OAK STUMP S57°17' E 118.30'  
 HURST NO.7 TO 15" DBL OAK STUMP N67°18' W 232.70'

FILE NO. MSES 86 - 712  
 DRAWN BY \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION INT. RIS. 13 & 54;

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.L.S. 652



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



DATE JANUARY 9 19 86  
 OPERATOR'S WELL NO. S.A. HURST, SR. 7  
 API WELL NO. 47-017-3500  
 STATE WV COUNTY DODD PERMIT 3500

**CANCELLED**

Department of Mines  
 Oil & Gas Division

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1019.20 WATER SHED LITTLE TOMS FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE NEW MILTON, WV 7.6'  
 SURFACE OWNER STOKES A., SR. & RUBY I. HURST ACREAGE 156  
 OIL & GAS ROYALTY OWNER STOKES A., SR. & RUBY I. HURST, ET AL LEASE ACREAGE 156  
 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 BIG INJUN ESTIMATED DEPTH 2250'  
 WELL OPERATOR Quaker State Oil Refining Corp. DESIGNATED AGENT SAMUEL F. BARBER  
 ADDRESS P.O. BOX 1327 ADDRESS P.O. BOX 1327  
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101  
721

**AUG 01 1988**

PREPARED BY W.S.P.

AS 5/2/86

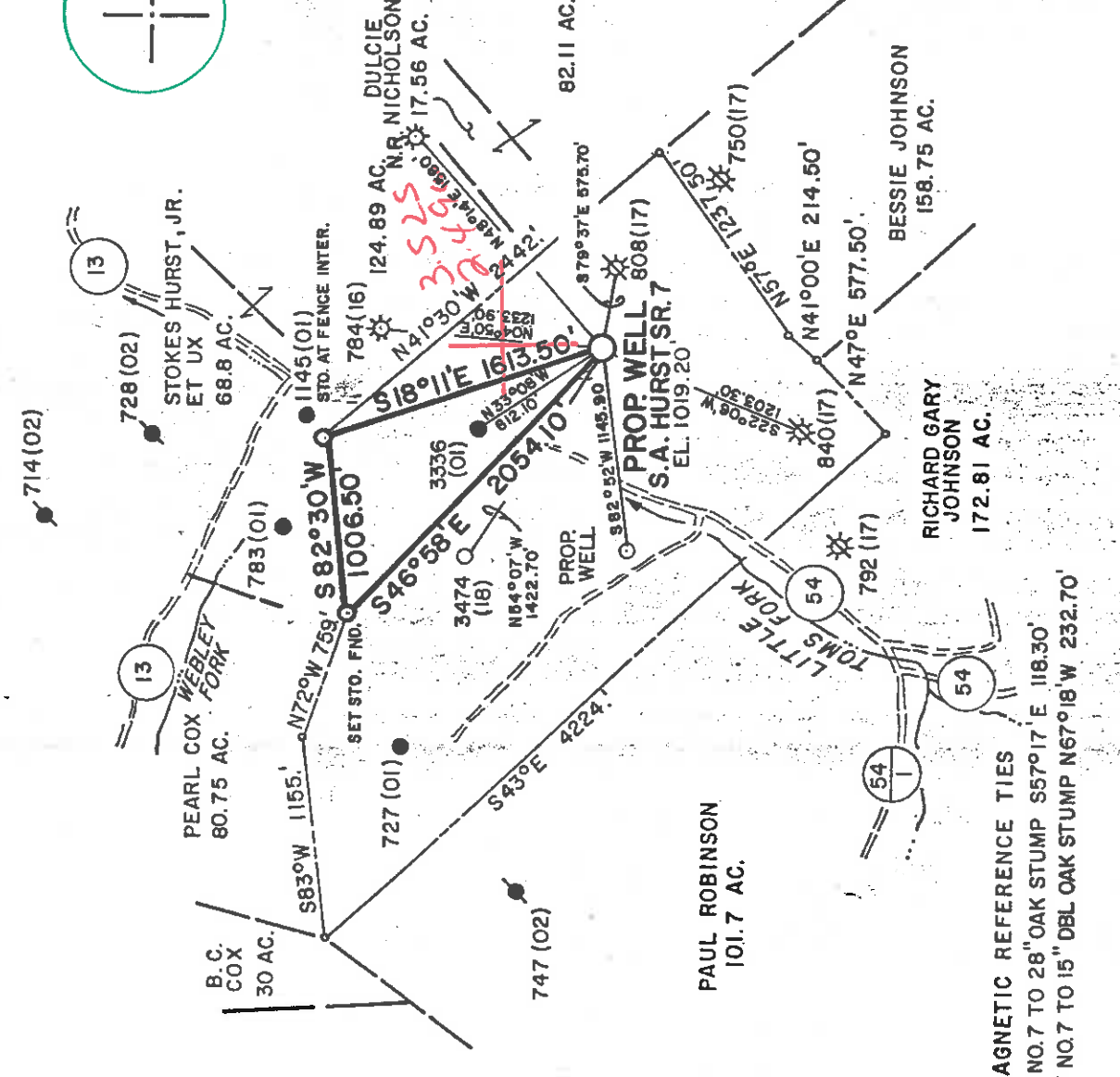
39 15

LATITUDE 39°12'30"

1450

LONGITUDE 80°42'30"

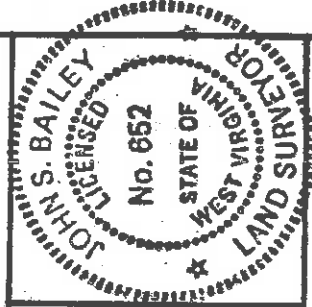
O.K. 3/25



MAGNETIC REFERENCE TIES  
HURST NO.7 TO 28" OAK STUMP S57°17'E 118.30'  
HURST NO.7 TO 15" DBL OAK STUMP N67°18'W 232.70'

FILE NO. MSES 86-712  
DRAWN BY \_\_\_\_\_  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
PROVEN SOURCE OF ELEVATION INT. RIS. 13 & 54;

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. J.S. L.S. 652



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



DATE JANUARY 9, 1986  
OPERATOR'S WELL NO. S.A. HURST, SR. 7  
API WELL NO. 47-017-3500

STATE WV COUNTY PUTNAM PERMIT 3500

Department of Mines  
Oil & Gas Division

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
( IF "GAS", PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1019.20 WATER SHED LITTLE TOMS FORK  
DISTRICT NEW MILTON COUNTY DODDRIDGE  
QUADRANGLE NEW MILTON, WV 7.5' 511 ACREAGE 156  
SURFACE OWNER STOKES A., SR. & RUBY I. HURST  
OIL & GAS ROYALTY OWNER STOKES A., SR. & RUBY I. HURST, ET AL LEASE ACREAGE 156

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 BIG INJUN ESTIMATED DEPTH 2250'  
WELL OPERATOR Quaker State Oil Refining Corp. DESIGNATED AGENT SAMUEL F. BARBER  
ADDRESS P.O. BOX 1327 ADDRESS PA1 ADDRESS P.O. BOX 1327  
PARKERSBURG, WV 26101 ADDRESS PARKERSBURG, WV 26101





1) Date: FEBRUARY 18, 1986  
 2) Operator's Well No. S.A. HERST, SR. #7  
 3) API Well No. 47 -017-3500  
 State County Permit

**RECEIVED**  
 MAY 2 1986  
 DIVISION OF OIL AND GAS  
 DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: Oil / Gas / XX / XX  
 B (if "Gas", Production XX / Underground storage XX / Deep XX / Shallow XX)  
 5) LOCATION: Elevation: 1019.20' Watershed: LITTLE TOM'S FORK  
 District: NEW MILTON County: DODDRIDGE Quadrangle: NEW MILTON 7.5 1970  
 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: 9) DRILLING CONTRACTOR:  
 Name: HAROLD MIKE UNDERWOOD Name: DEVELOPMENT DRILLING  
 Address: ROUTE #2, BOX 114 Address: P.O. DRAWER 0  
SALEM, WV 26426 (304) 782-1043 Address: JANE LEW, WEST VIRGINIA 2637

10) PROPOSED WELL WORK: Drill XX / Drill deeper XX / Redrill XX / Stimulate XX  
 Plug off old formation XX / Perforate new formation XX

11) GEOLOGICAL TARGET FORMATION, BIG INJUN  
 Other physical change in well (specify) " "

12) Estimated depth of completed well, 2250' feet  
 13) Approximate trata depths: Fresh, 270' feet; salt, 1465' feet.  
 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes XX 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		
Conductor							
Fresh water	8 5/8"	H40	20	X		475'	475'
Coal	7"	H20	17	X			
Intermediate							
Production	4 1/2"	J-55	9.5	X		2250'	2250' OR AS REQUIRED BY RULE 15.01
Tubing	2"	J	4.5	X		2125'	
Lim.							

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-017-3500 Date May 15 1986

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:	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>1538</u>	WPCC: <u>AS</u>	S&E: <u>AS</u>	Other: <u>AS</u>
-------	------------------	-----------------	-------------------	------------------	-----------------	----------------	------------------

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

*John D. Johnston by Margaret J. Hase*  
 Director, Division of Oil and Gas

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

