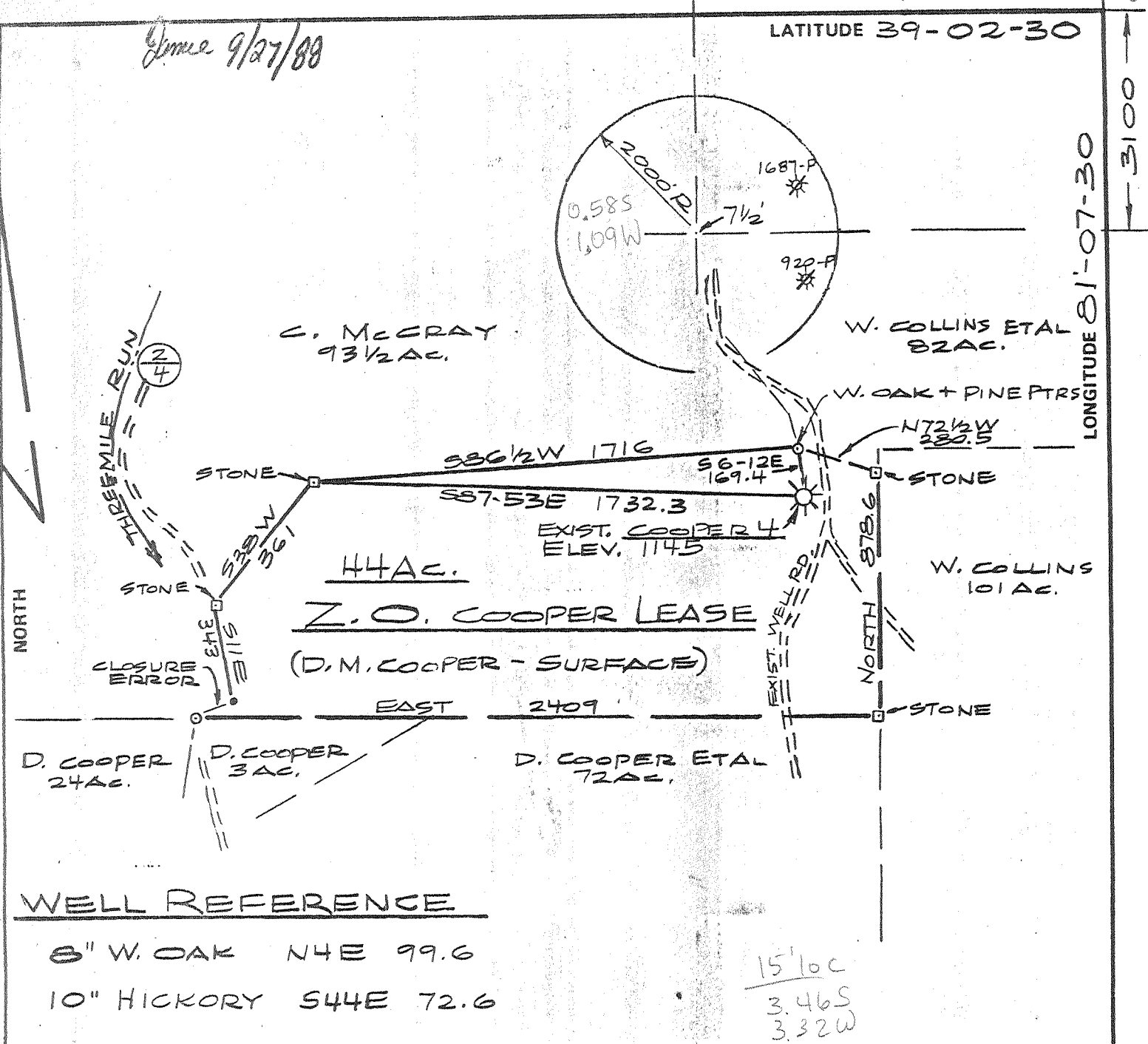


June 9/27/88

LATITUDE 39-02-30

LONGITUDE 81-07-30



WELL REFERENCE

8" W. OAK N4E 99.6
 10" HICKORY S44E 72.6

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION USGS BM
ELEV. 797 ~ 4700 SW
OF WELL

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) Raynell R. Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

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



DATE SEPT 15, 1988
 OPERATOR'S WELL NO. COOPER-4
 API WELL NO. OLD EXIST. WELL
47 - 013 - 0195 - P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 DISTRICT SHERIDAN COUNTY CALHOUN
 QUADRANGLE MACFARLAN 7 1/2 Harrisville 15' 50
 SURFACE OWNER DENNIS M. COOPER ACREAGE 44
 OIL & GAS ROYALTY OWNER Z.O. COOPER HEIRS LEASE ACREAGE 44
 LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION REFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION MAXON ESTIMATED DEPTH 2000±
 WELL OPERATOR BUSCH INC. DESIGNATED AGENT K. E. BUSCH
 ADDRESS BROHARD ADDRESS BROHARD
WEST VIRGINIA 26138 WEST VIRGINIA 26138

OCT 10 1988

Sheridan District, Calhoun County, W. Va.
 Richter Oil Co., Brohard, W. Va. (Marshall & Ritts); W. S. Kinney, Supt.
 On 44 acres, on Three Mile Run; surface owned by Z. O. Cooper,
 Elizabeth, W. Va., and mineral rights by Z. O. Cooper (1/2),
 Elizabeth, W. Va., and W. M. Cooper (1/2), Vienna, W. Va.
 Drilled under permit Cal-195, issued March 5, 1934.
 Elevation, 1151'.
 13" conductor, 14'; 10", 478'; 8", 1220'; 6", 1790'.
 No packer. 2" tubing, 2002' (perforated at 1981').
 No coal was encountered.
 Completion reported to Dept. of Mines Sept. 29, 1934.
 Well was shot at 1981'.
 Salt water at 2002'.
 Producing well.

Top. Bottom.
 Little red, clay 820 - 850
 Big red, clay 855 - 915
 Big Dunkard Sand 1218 - 1228
 Long "Strek", gray, sand (gas) 1500 - 1580
 Sand, gray 1665 - 1670 (10' thi.?)
 Gas Sand, gray (gas, 1798') 1785 - 1863
 Salt Sand, white (oil), to bottom 1915 - 2003

Cal
 195

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, 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.

Farm name: COOPER, DENNIS Operator Well No.: COOPER 4

LOCATION: Elevation: 1145.00 Quadrangle: MACFARLAN
District: SHERIDAN County: CALHOUN
Latitude: 3100 Feet South of 39 Des. 2 Min. 30 Sec.
Longitude: 5750 Feet West of 81 Des. 7 Min. 30 Sec.

Company: Busch, Inc.
P.O. Box 67
Brohard, wVa. 28138

Coal Operator
or Owner

Asent: K. E. BUSCH
Inspector: DEO MACE
Permit Issued: 10/06/88

Coal Operator
or Owner

RECEIVED
NOV 21 1988

AFFIDAVIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA,
County of WIRT ss:

K. E. BUSCH and N. G. BUSCH

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 BUSCH, INC., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 7th day of OCTOBER, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
CEMENT	1350	1250	6 1/4" 1310'	480'
RED CLAY	1250	591	8" 591'	629'
CEMENT	591	491		
RED CLAY	490	300		
CEMENT	300	200		
RED CLAY	200	50'		
CEMENT	50	TO SURFACE		

Description of monument: 8" STEEL PIPE FILLED WITH CEMENT WITH API #

and that the work of plugging and filling said well was completed on the 14th day of OCTOBER, 1988.

And further deponents saith not.

K. E. Busch

Sworn and subscribe before me this 17th day of November, 1988
My commission expires: July 28, 1990

N. G. Busch
[Signature]

Notary Public DEC 2 1988