

LATITUDE 39° 15' 00"



00, 54, 08"

LONGITUDE

7'5 OGIS topo location

7.5' loc, 1185 15' loc 1185
2.13 W (calc.) 2.13W

Company _____

Farm _____

Quad OXFORD 7 1/2' Holbrook NE

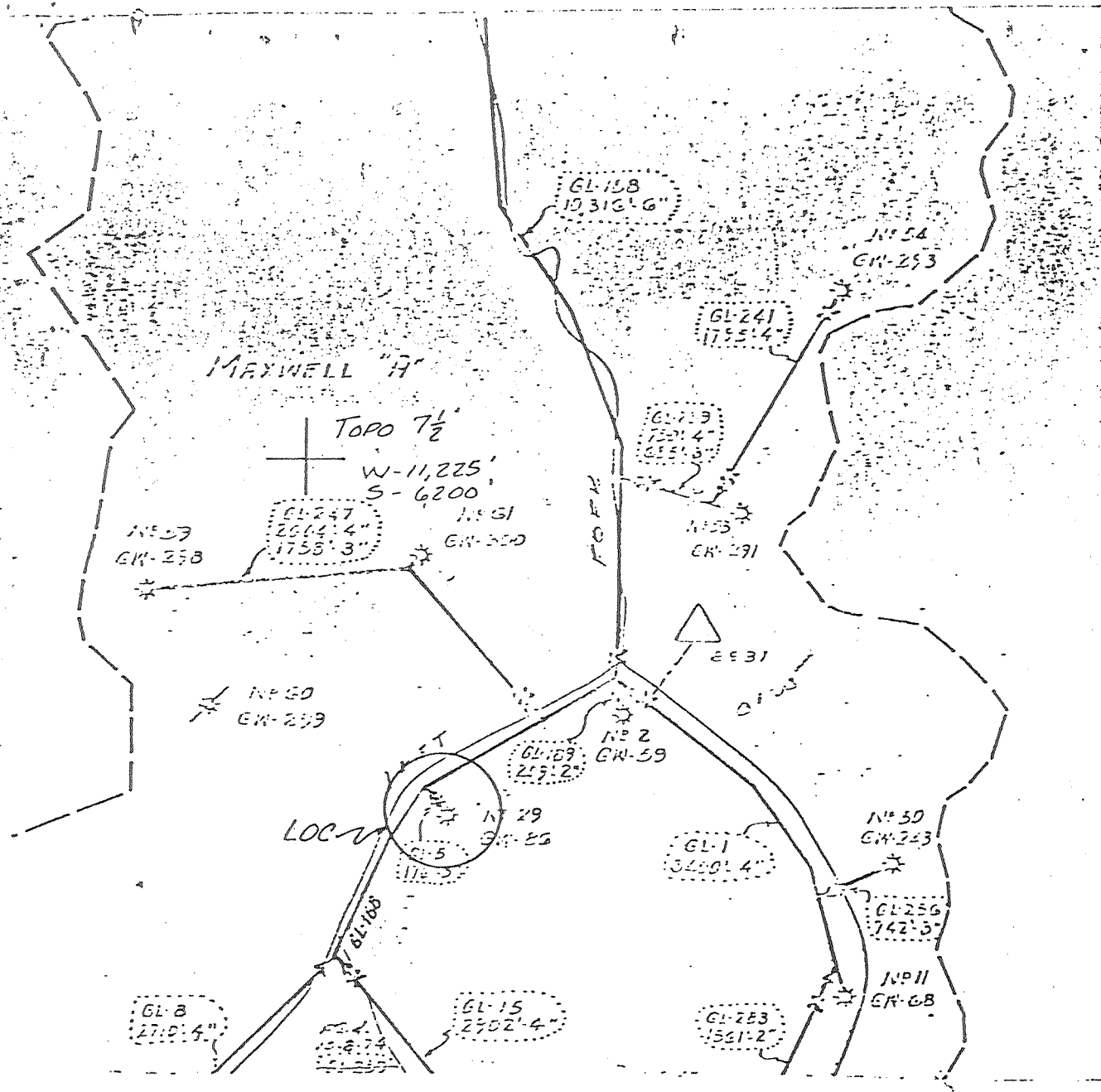
County DODDRIEGE

District WEST UNION

WELL LOCATION MAP

File No. 017-2134

LONGITUDE 80°45'00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=1320
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION _____

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) _____
 R.P.E. _____ L.L.S. _____

PLACE SEAL HERE

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



DATE MAR 25, 19 80
 OPERATOR'S WELL NO. GW 86 (A-29)
 API WELL NO. _____
47 - 017 - 2134
 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 ___
 LOCATION: ELEVATION 899' WATERSHED LEFT FK OF ARNOLDS CK
 DISTRICT WEST UNION COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7 1/2
 SURFACE OWNER _____ ACREAGE _____
 OIL & GAS ROYALTY OWNER MAXWELL 'A' LEASE ACREAGE _____
 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) _____
F.E.R.C. FILING
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION _____ ESTIMATED DEPTH _____
 WELL OPERATOR CITIES SERVICE CO DESIGNATED AGENT SAM J. MATTHEWS
 ADDRESS PO BX 873 ADDRESS PO BX 873
CHARLESTON WV CHARLESTON WV

Elev. 973
Edw
C 32 R
no 5 Jan

COLUMBIAN CARBON COMPANY

RECORD OF LEWIS MAXWELL WELL NO. 29.

Arnolds Creek, Doddridge, Co. W. Va.
 Drilled by F. S. Greathouse
 Commenced May 27, 1919.
 Finished July 3, 1919.
 Total Depth 2324
 Producing Gas From

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>
Conductor	14	14	14
Hurryup Sand	38	115	77
Water Hole Full	62		
Little Dunkard Sand	474	538	64
Big Dunkard Sand	740	790	50
1st Salt Sand	825	980	155
Lime	980	1000	20
2nd Salt Sand	1040	1130	90 little shoe of
Slate Black	1130	1150	20 Little shoe of
Sand	1150	1510	60 Water 1078
Slate	1210	1348	138
Sand	1348	1405	57
Little Gas	1355		
Slate	1405	1524	119
Little Lime	1524	1537	13
Blue Monday Sand	1540	1560	20 Very Hard
Pencil Cave	1560	1571	11
Big Lime	1571	1655	82
Big Injun Sand	1655	1723	70
Little Gas	1672		
Slate & Shells	1723	1305	82
Sand	1805	2000	195
Slate & Shells	2000	2283	283
Stray Gorden Sand	2283	2293	10
Slate	2293	2504	11
Gorden Sand	2304	2321	17
Gas	2306	2308	2
Slate	2521	2524	3
Total Depth	2324		

Well was shot in Gorden Sand July 10, 1919 with 20 qts Nitro-glyce
 Top of Shell 2304. Bottom 2324. Well was then cleaned out and tu
 on the 15th day July, 1919, with 2" tubing. packer set in big Lin
 667 ft. from bottom.

Casing put in Well: 10" 482 ft.
 8 1/2" 1106 ft. with steel shoe
 6-5/8" 1534 ft with steel shoe on to
 8 1/2" all pulled.

Casing pulled 10" 482 ft.
 8 1/2" 1106 (left steel shoe in hole).

Drillers: E. V. Dolan, W. E. Flanigan, Weston, W. Va.
 Tooldressers: Henry Flesher, W. M. Krait, Weston, W. Va..

017-2134