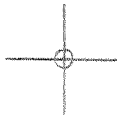


LATITUDE 39° 15' 00"

LONGITUDE 80° 54' 00"



7'5 OGIS topo location

7.5' loc 2.16S
1.62W

15' loc 2.16S
(calc.) 1.62W

Company _____

Farm _____

Quad OXFORD ^{NE} 7 1/2' Holbrook

County DEER RIDGE

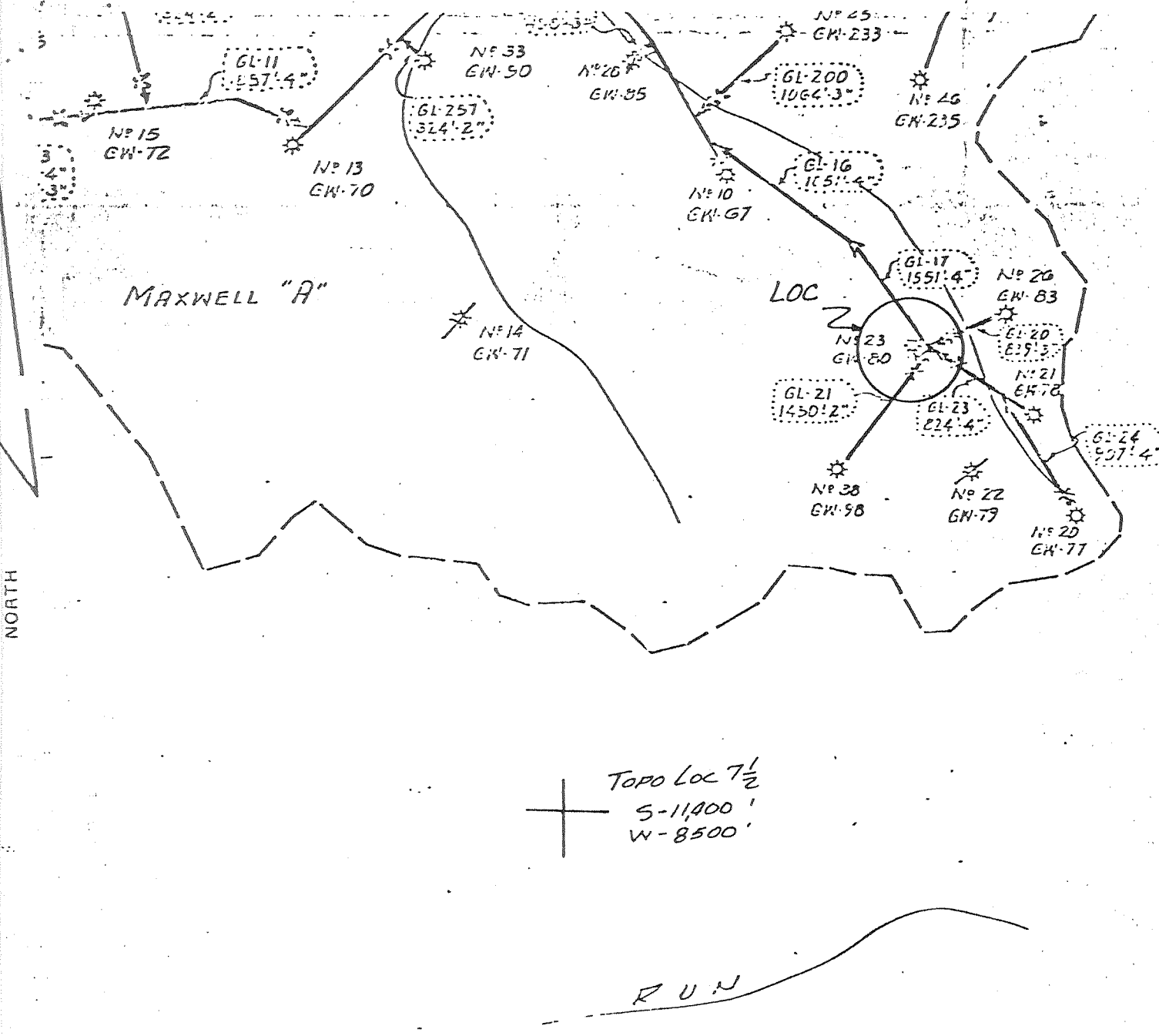
District WEST UNION

WELL LOCATION MAP

File No. 017-2132

LATITUDE 39° 15' 00"

LONGITUDE 80° 45' 00"



+
 Topo Loc 7 1/2
 S-11,400'
 W-8500'

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) [Signature]
 R.P.E. _____ L.L.S. 247

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. GW80(A-23)
 API WELL NO. _____
47 - 017 - 2132
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1030' WATER SHED 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) E.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

COLUMBIAN CARBON COMPANY

RECORD OF LEWIS MAXWELL WELL NO. 23.

Doddridge Co. W. Va.
Drilled by W. D. Gribble
Commenced
Completed
Total Depth 2350 ft.
Producing gas from

FORMATION	TOP	BOTTOM
Conductor	16	
Hurryup Sand	90	120
Pittsburg Coal Show	350	
10" Casing	550	
Coal	586	
Gas Sand	870	898
Water	885	
1st Salt Sand	990	1013
2nd Salt Sand	1027	1057
3rd Salt Sand	1100	1140
8 1/2" Casing	1100	
Maxon Sand	1518	1578
Gas & Water	1360	
Little Line	1547	1577
Pencil Cave	1577	1580
Big Line	1580	1656
8 - 5/8" Casing	1658	
Big Injun Sand show of gas	1656	1731
Gantz Sand	1874	2054
50 foot	2068	2098
Gordon Stray	2294	2299
Gordon Sand	2343	2348
Total Depth	2350	

All casing left in hole

Shot with 20 quarts.

017-2132