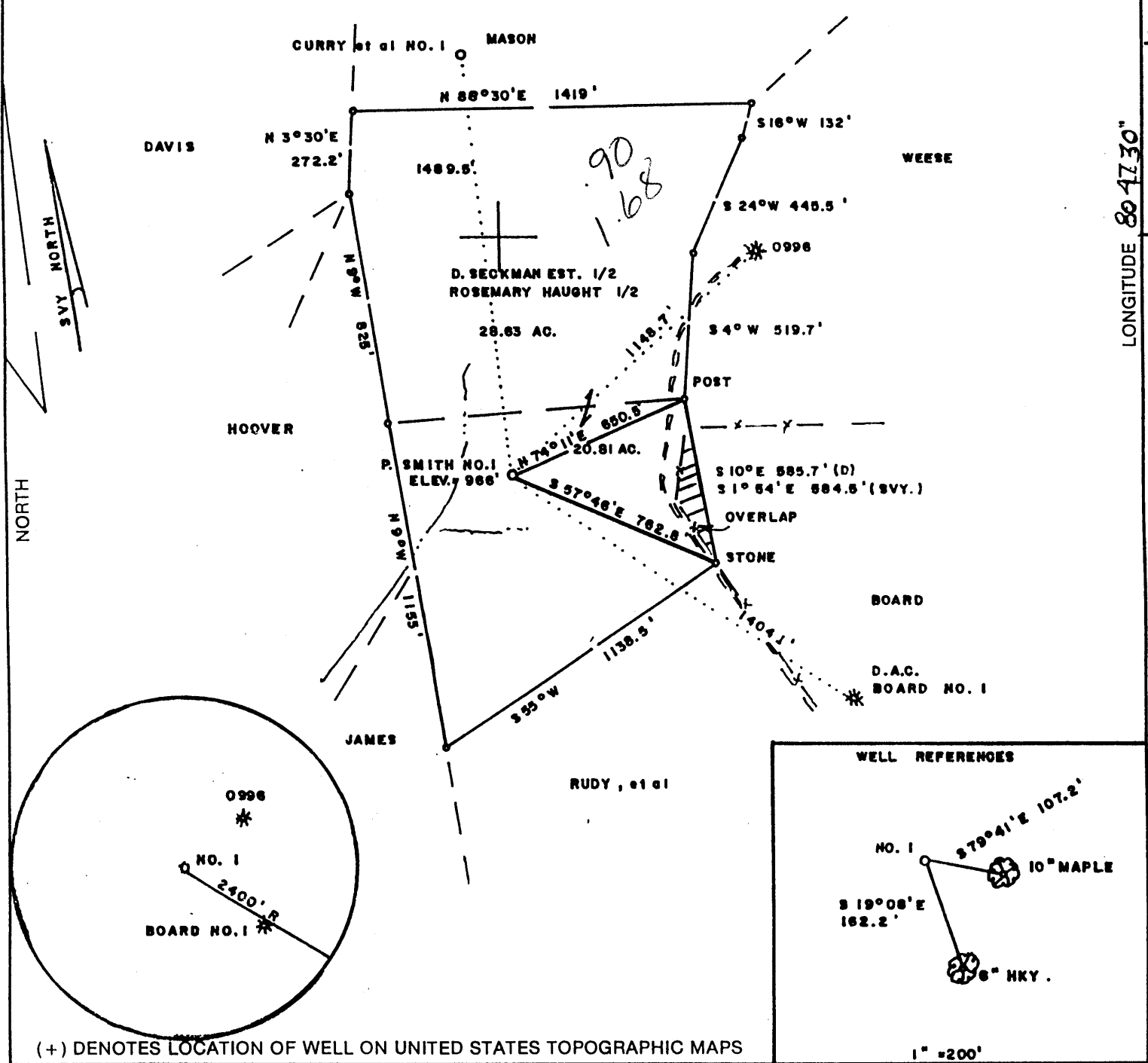


P. SMITH LEASE 49.44 AC.



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SOUTH OF LEASE ELEV. = 1125

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 ENERGY.
 (SIGNED) Mark C. Echard
 R.P.E. _____ L.L.S. 490

WELL REFERENCES
 NO. 1
 S 19° 08' E 162.2'
 S 79° 41' E 107.2'
 10" MAPLE
 6" HKY.
 1" = 200'
 MARK C. ECHARD
 LICENSED
 No. 490
 WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE OCTOBER 6, 2000
 OPERATOR'S WELL NO. P. SMITH NO. 1
 API WELL NO. _____

WELL TYPE: OIL _____ GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 966 WATER SHED JEFFERSON RUN OF MIDDLE ISLAND CREEK
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5'

SURFACE OWNER D. SECKMAN EST. 1/2 ROSEMARY HAUGHT 1/2 ACREAGE 20.81
 OIL & GAS ROYALTY OWNER SAME AS ABOVE LEASE ACREAGE 20.81
 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 GORDON/BIG INJUN ESTIMATED DEPTH 3900'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

NOV 03 2000

FORM WW-6

COUNTY NAME TYLER

PERMIT 1700

6-6-92

Stage	Formation	Perfs	Sand	N2
11-14-00	P. Smith #1			
1	Gordon	2686-2691 17 holes	200 sks	200,000 scf
2	Big Injun	1922-1958	150 sks	169,000 scf

ISIP = 2107#
5 min = 1668#

Drillers Log

Electric Log Tops

Formation	Top	Bottom	Formation	Depth
Fill	0	10	Big Lime	1854
Sd/Sh	10	60	Big Injun	1914
RR	60	72	Berea	2446
Sd/Sh	72	418	Gordon	2676
Coal	418	426		
Sd/Sh	426	628		
Lime	628	657		
Sd/Sh	657	1371		
Sd	1371	1412		
Sd/Sh	1412	1807		
LL	1807	1820		
Sh	1820	1842		
BL	1842	1970		
Sd	1970	2007		
Sh	2007	2245		
Sd	2245	2351		
Sh	2351	2700		
Sd	2705	2907		
Td	2907			

damp 190'

gas ck @ 2196 = 207 mcfs

gas ck @ Td = 189 mcfs

gas ck @ DC = 152 mcfs