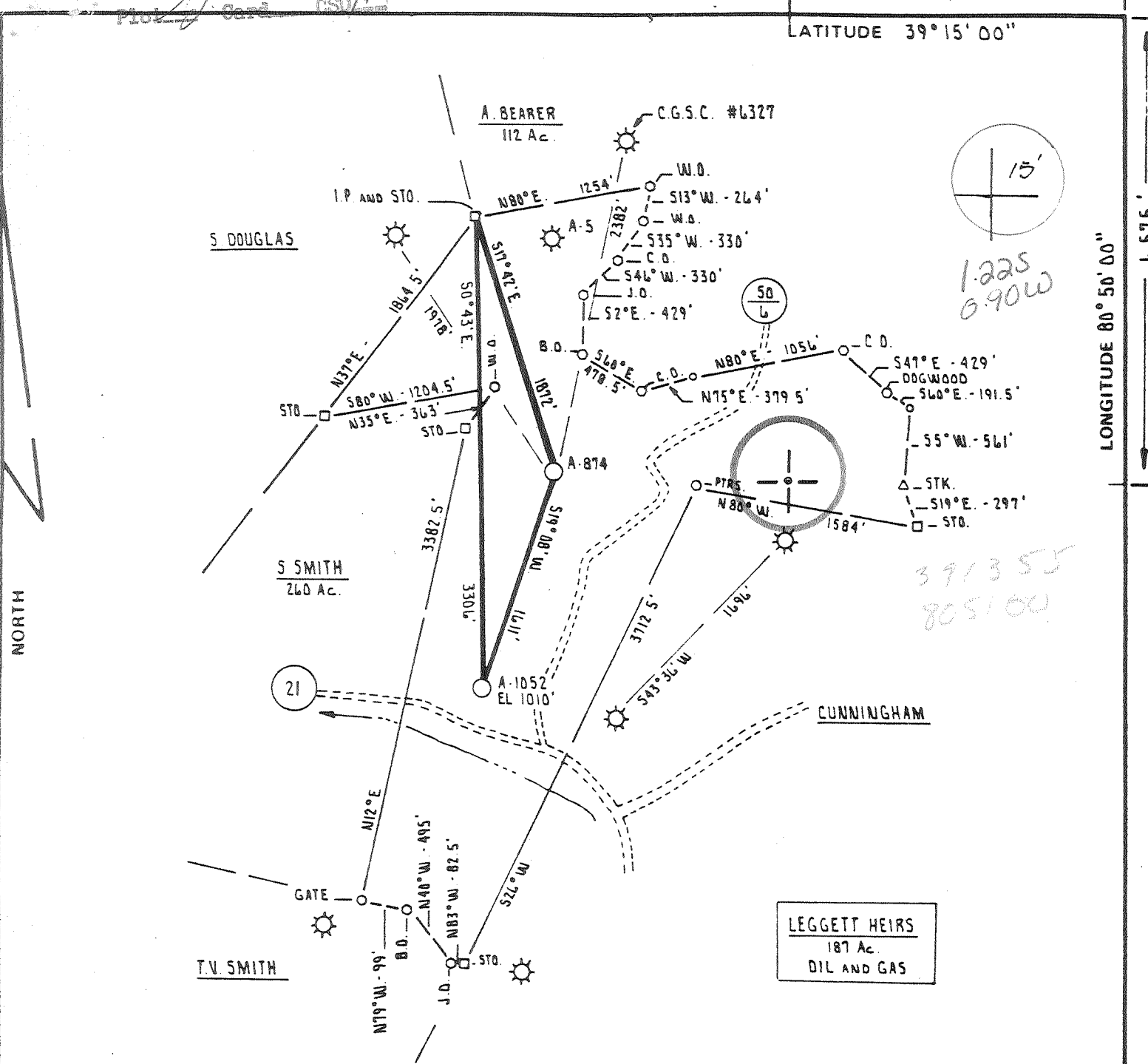


4,775' LATITUDE 39° 15' 00"



FILE NO. 453
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ALLEGHENY LAND and MINERAL CO. WELL # A-874
 ELEV: 1049'

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) Carl R. Main
 R.P.E. _____ L.L.S. 711

PLACE SEAL HERE

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

DATE SEPTEMBER 28th, 19 81
 OPERATOR'S WELL NO. A-1052
 API WELL NO. 47 - 017 - 3051
 STATE 47 COUNTY 017 PERMIT 3051

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 1010' WATER SHED CABIN RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE OXFORD 7.5' Nolbrook 15', NE

SURFACE OWNER CLIFFORD F. LOYD ACREAGE 187 Ac.
 OIL & GAS ROYALTY OWNER LEGGETT HEIRS LEASE ACREAGE 187 Ac.
 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 ALXANDER ESTIMATED DEPTH 5640'
 WELL OPERATOR ALLEGHENY LAND and MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND AND MINERAL CO.
 ADDRESS P.O. Box 1740 ADDRESS P.O. Box 1740
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740

NOV 5 1981

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well was fractured January 8, 1982
 Perforations: 5201 - 5207 6 holes
 5223 - 5228 6 holes
 5231 - 5235 4 holes

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	3	
Sand	3	113	
Sand & Shale	113	310	
Coal	310	315	
Red Rock	315	445	
Sand & Shale	445	696	
Sand	696	715	
Sand & Shale	715	806	
Red Rock	806	848	
Sand & Shale	848	986	
Red Rock	986	1124	
Sand & Shale	1124	1400	
Red Rock	1400	1500	
Sand & Shale	1500	1870	
Sand	1870	1901	
Sand & Shale	1901	1945	
Lime	1945	2118	
Sand	2118	2179	
Sand & Shale	2179	2460	
Sand	2460	2500	
Sand & Shale	2500	2928	
Sand	2928	3134	
Sand & Shale	3134	3315	
Sand	3315	3368	
Sand & Shale	3368	4710	
Benson	4710	4718	
Sand & Shale	4718	5140	
Sand	5140	5180	
Sand & Shale	5180	5413 T.D.	

42 E.K.

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company

Well Operator

BY:

A. D. Sabatino

Vice President Production

Date:

January 18, 1982

Note: Regulation 2.02 (i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

