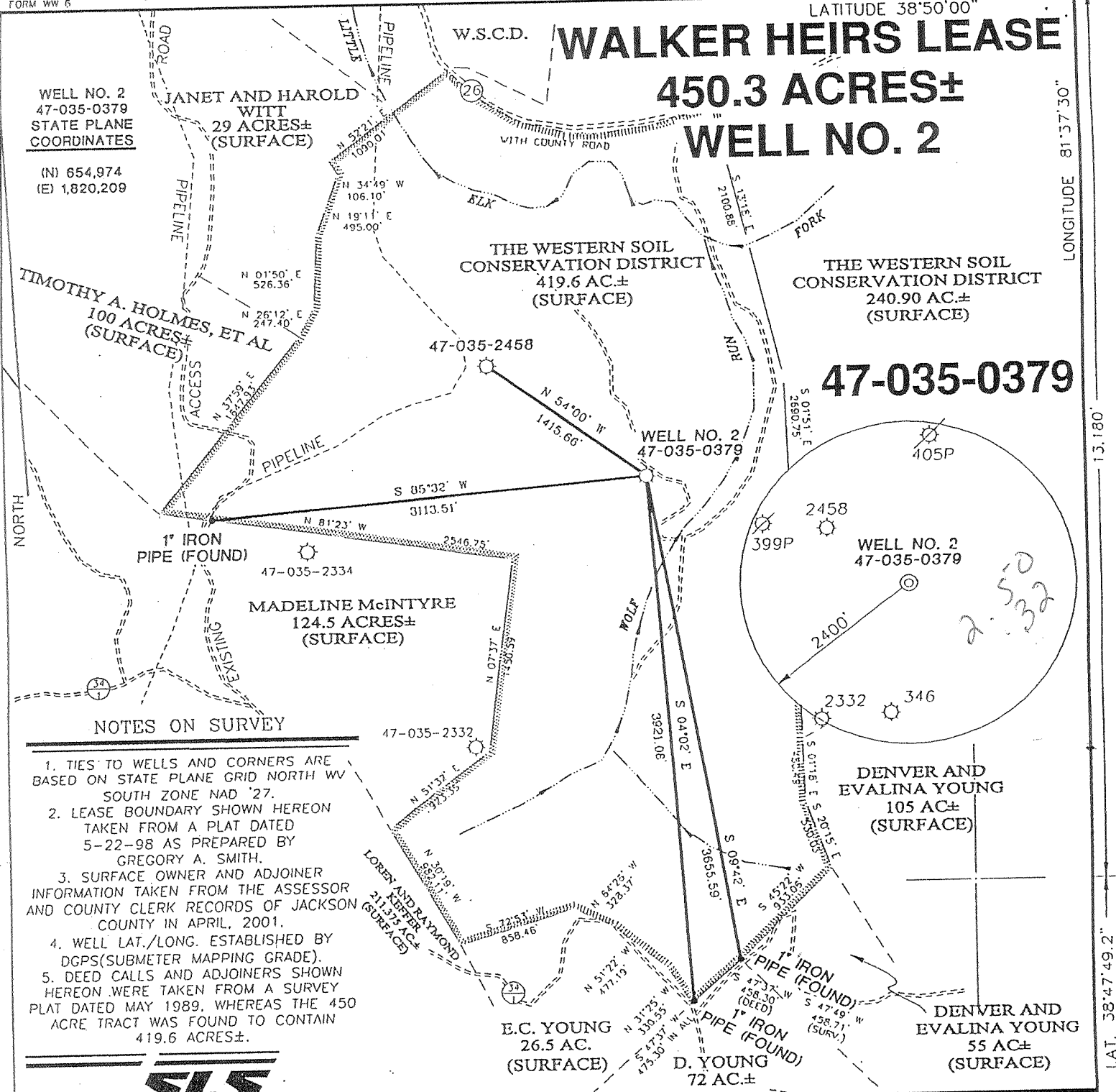


# WALKER HEIRS LEASE 450.3 ACRES± WELL NO. 2

WELL NO. 2  
47-035-0379  
STATE PLANE  
COORDINATES

(N) 654,974  
(E) 1,820,209



LONGITUDE 81°37'30"

081.1

LAT. 38°47'49.2"

## 47-035-0379

### NOTES ON SURVEY

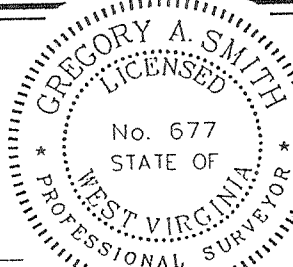
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 5-22-98 AS PREPARED BY GREGORY A. SMITH.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF JACKSON COUNTY IN APRIL, 2001.
4. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).
5. DEED CALLS AND ADJOINERS SHOWN HEREON WERE TAKEN FROM A SURVEY PLAT DATED MAY 1989, WHEREAS THE 450 ACRE TRACT WAS FOUND TO CONTAIN 419.6 ACRES±.



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.

P.S.  
677

*Gregory A. Smith*



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

DATE MAY 16, 2001

OPERATORS WELL NO. WALKER NO. 2

API WELL NO. 47-035-0379F  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3954P379 (99-65)  
PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 647' SCALE 1" = 1000'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE : OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 757' WATERSHED WOLF RUN  
DISTRICT RIPLEY COUNTY JACKSON QUADRANGLE RIPLEY 7.5'

SURFACE OWNER THE WESTERN SOIL CONSERVATION DISTRICT ACREAGE 419.6±  
ROYALTY OWNER HELEN WALKER HEIRS LEASE ACREAGE 450.3±  
PROPOSED WORK : LEASE NO. \_\_\_\_\_

DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER \_\_\_\_\_

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION BEKA  
ESTIMATED DEPTH \_\_\_\_\_

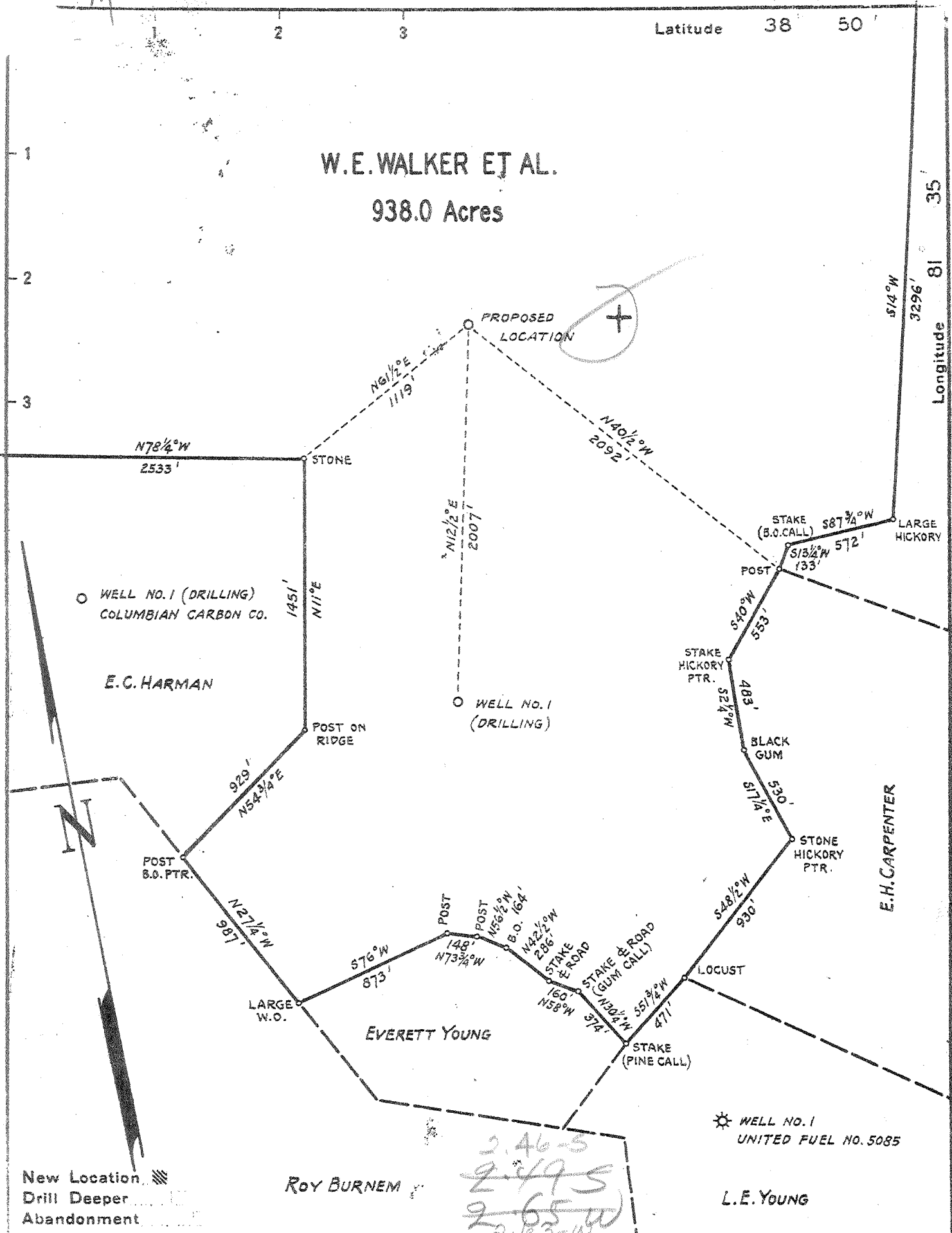
WELL OPERATOR NORTH COAST ENERGY EASTERN, INC. DESIGNATED AGENT TOM LIBERATORE  
ADDRESS P.O. BOX 8 RAVENSWOOD, WV 26164 ADDRESS P.O. BOX 8 RAVENSWOOD, WV 26164

COUNTY NAME JAC

PERMIT 0379F

06/22/2001

W.E. WALKER ET AL.  
938.0 Acres



Company SPARTAN GAS COMPANY  
 Address 518 KANAWHA VALLEY BLDG., CHARLESTON, W.VA.  
 Farm W.E. WALKER ET AL.  
 Tract \_\_\_\_\_ Acres 938.0 Lease No. \_\_\_\_\_  
 Well (Farm) No. TWO Serial No. S-37  
 Elevation (Spirit Level) 748.4 GROUND  
 Quadrangle RIPLEY SW  
 County JACKSON District RIPLEY  
 Engineer Robert S. Hyde  
 Engineer's Registration No. 646  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date JUNE 18, 1942 Scale 1 INCH = 660 FEET

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

WELL LOCATION MAP  
 FILE NO. Jac-379

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.  
 - Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Jac 379

Company,	Spartan Gas Company	Gas Well	
Address	518 Kanawha Valley Bldg., Chas.	CASING & TUBING	
Farm	W.E. Walker Acres 938	20	18'
Location	Mill Creek	133/8	658 Pulled
Well No	Two Elev. 753.3 LDF	10 1/2	1110 "
District	Ripley Jackson County	85/8	2031 SLM
Surface	W.E. Walker et al, Ripley, W.Va.	7	4983 SLM
Mineral	W.E. Walker, et al, Ripley, W.Va.	2 3/8	5096
Commenced	July 2, 1942		15 bags cement behind
Completed	Sept. 15, 1942		7" casing.
Not shot			
Flow	34/10ths M in 7" 22#		
Volume	9,282,000 C.F.		
Rock Pressure	1570 lbs. hrs. --		
Fresh Water	190' 1 1/2 blrs. pr. hr.; 245'		
Salt Water	4 blrs. pr. hr.		
	1280 HFW		

Red Clay	0	18	
Sand	18	28	
Slate	28	90	
Red Rock	90	180	
Blue Slate	180	205	
Sand	205	254	
Blue Slate	254	325	
Sand	325	405	
Red Rock	405	430	
White Slate	430	485	
Sand	485	530	
Slate	530	610	
Sand	610	660	
Slate	660	690	
Red Rock	690	750	
Slate	750	975	
Sand	975	1190	
Slate	1190	1280	Show of oil 1210
Water Sand	1280	1305	
Slate	1305	1655	
Salt Sand	1655	1945	
Slate	1945	1965	
Big Injun Sand	1965	2000	
Slate & Shells	2000	2030	
Hard Shells	2030	2050	
Slate & Shells	2050	2390	
Brown Shale	2390	2410	
Berea Sand	2410	2420	
Slate & Shells	2420	4022	
Brown Shale - 441	4022	4255	
Slate	4255	4718	
Brown Shale	4718	4968	
Corniferous Lime - 463	4968	5083	
Oriskany Sand	5083	5096	Gas 5083-5096
TOTAL DEPTH <u>475</u>		5096	

4968 5083  
753  
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4215 4330