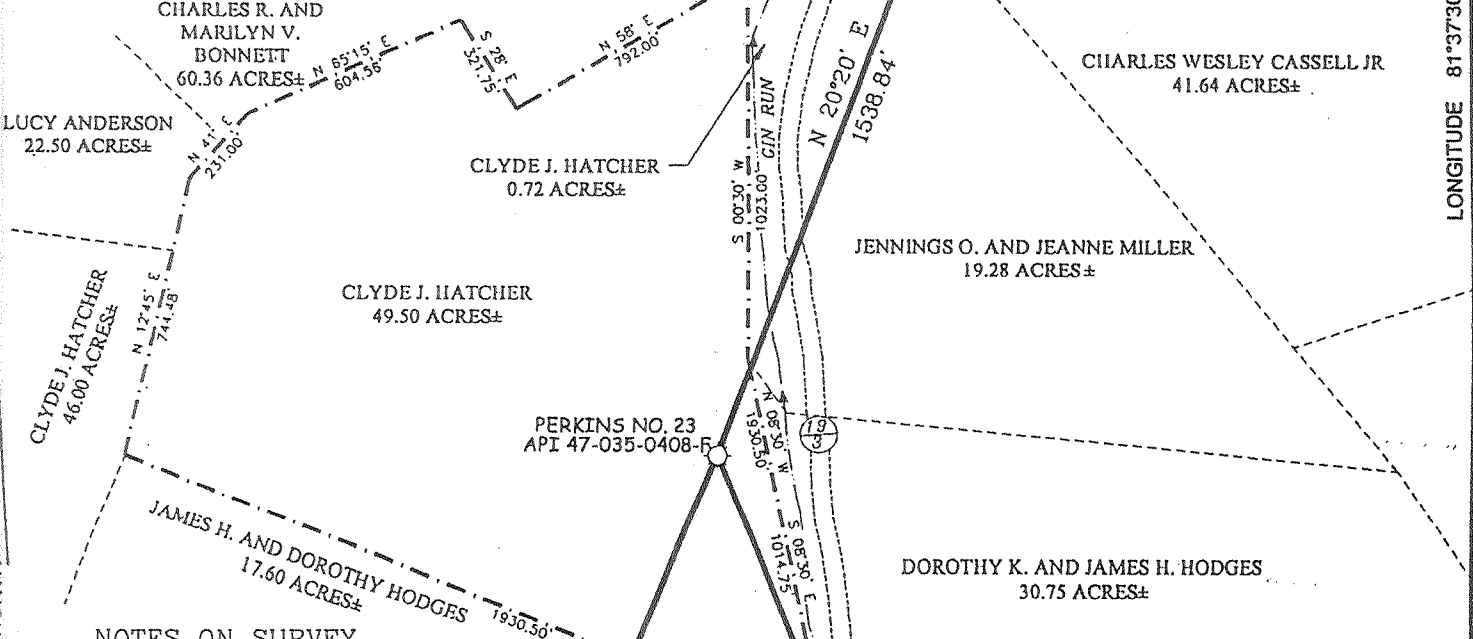


PERKINS LEASE 27,435.67 ACRES±



NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD '27.
2. SURFACE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 258 PAGE 281.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF JACKSON COUNTY IN MARCH, 2004.
4. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

PERKINS NO. 23 STATE PLANE COORDINATES (SOUTH ZONE)

N. 609,647
E. 1,819,048

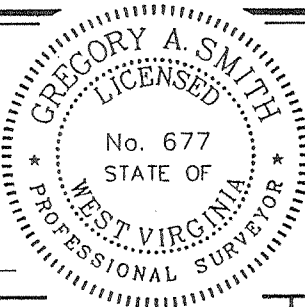
LAT=(N) 38.672532
LONG=(W) 81.633794



PERKINS NO. 23 API NO. 47-035-0408-F

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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE APRIL 21, 20 04
 OPERATORS WELL NO. PERKINS 23
 API WELL NO. 47 - 035 - 0408-P
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5478P23 (165-71)
 PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 500'

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

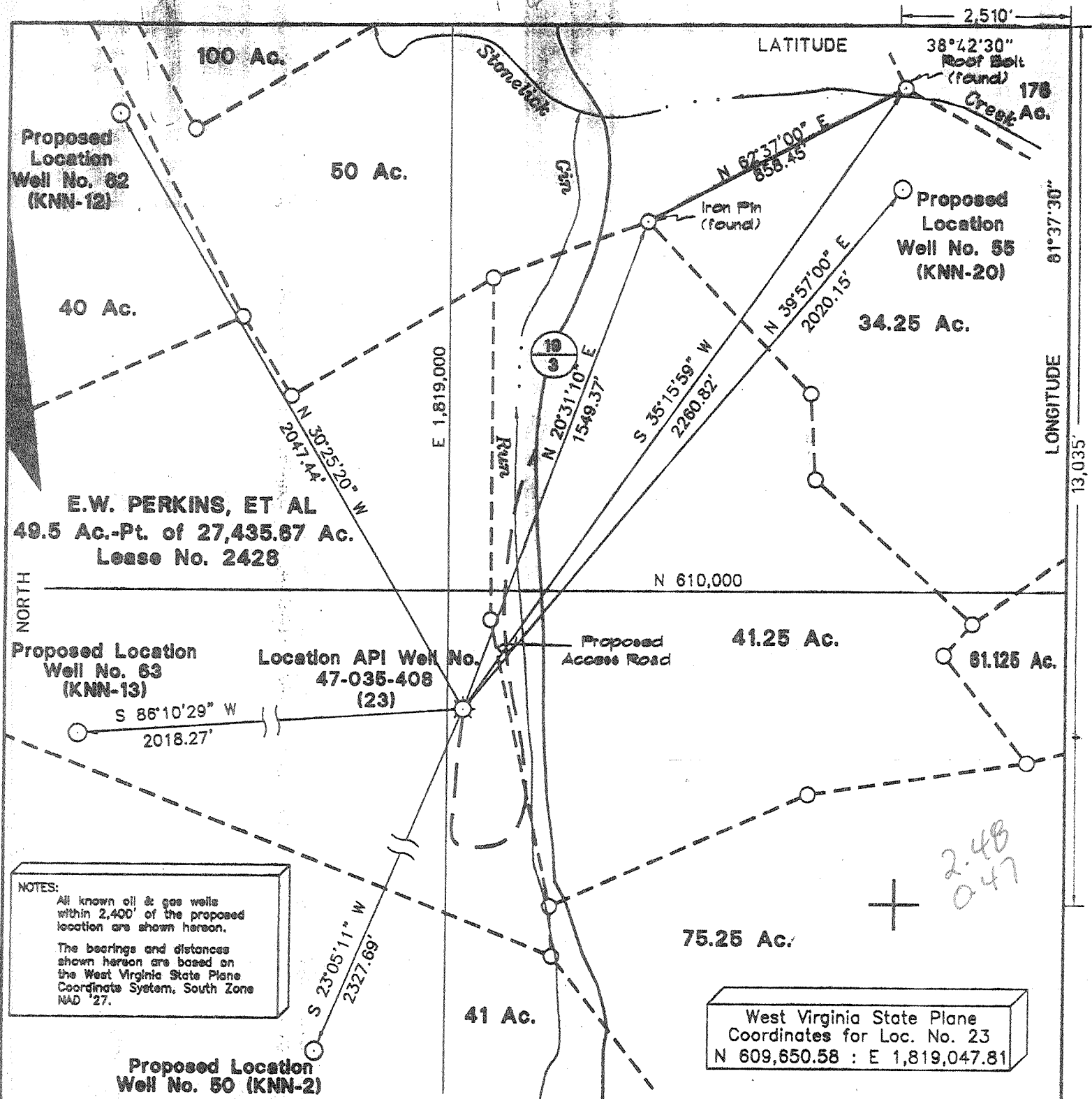
LOCATION: ELEVATION 808' WATERSHED GIN RUN OF STONE LICK CREEK
 DISTRICT RIPLEY COUNTY JACKSON QUADRANGLE KENNA 7.5'

SURFACE OWNER CLYDE J. HATCHER et ux ACREAGE 49.50±
 ROYALTY OWNER ELIZABETH WARD PERKINS et al LEASE ACREAGE 27,435.67±
 PROPOSED WORK: LEASE NO. 2428

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 DEVONIAN SHALE
 ESTIMATED DEPTH 4800'

WELL OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT CECIL RAY
 ADDRESS 1710 PENNSYLVANIA AVENUE ADDRESS 1710 PENNSYLVANIA AVENUE
CHARLESTON, WV 25302 CHARLESTON, WV 25302

COUNTY NAME JAC
 PERMIT 0408 P



NOTES:
 All known oil & gas wells within 2,400' of the proposed location are shown hereon.
 The bearings and distances shown hereon are based on the West Virginia State Plane Coordinate System, South Zone NAD '27.

West Virginia State Plane Coordinates for Loc. No. 23
 N 609,650.58 : E 1,819,047.81

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

FILE NO. 4518 WJ
 DRAWING NO. 23WV6
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 : 27,071
 PROVEN SOURCE OF ELEVATION
API Well No. 47-034-408

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 THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
 (SIGNED) Ronald L. Eastman
 R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS
 NITRO, WV

DATE January 19, 19 98
 OPERATOR'S WELL NO. 23
 API WELL NO. 47-035-408 F

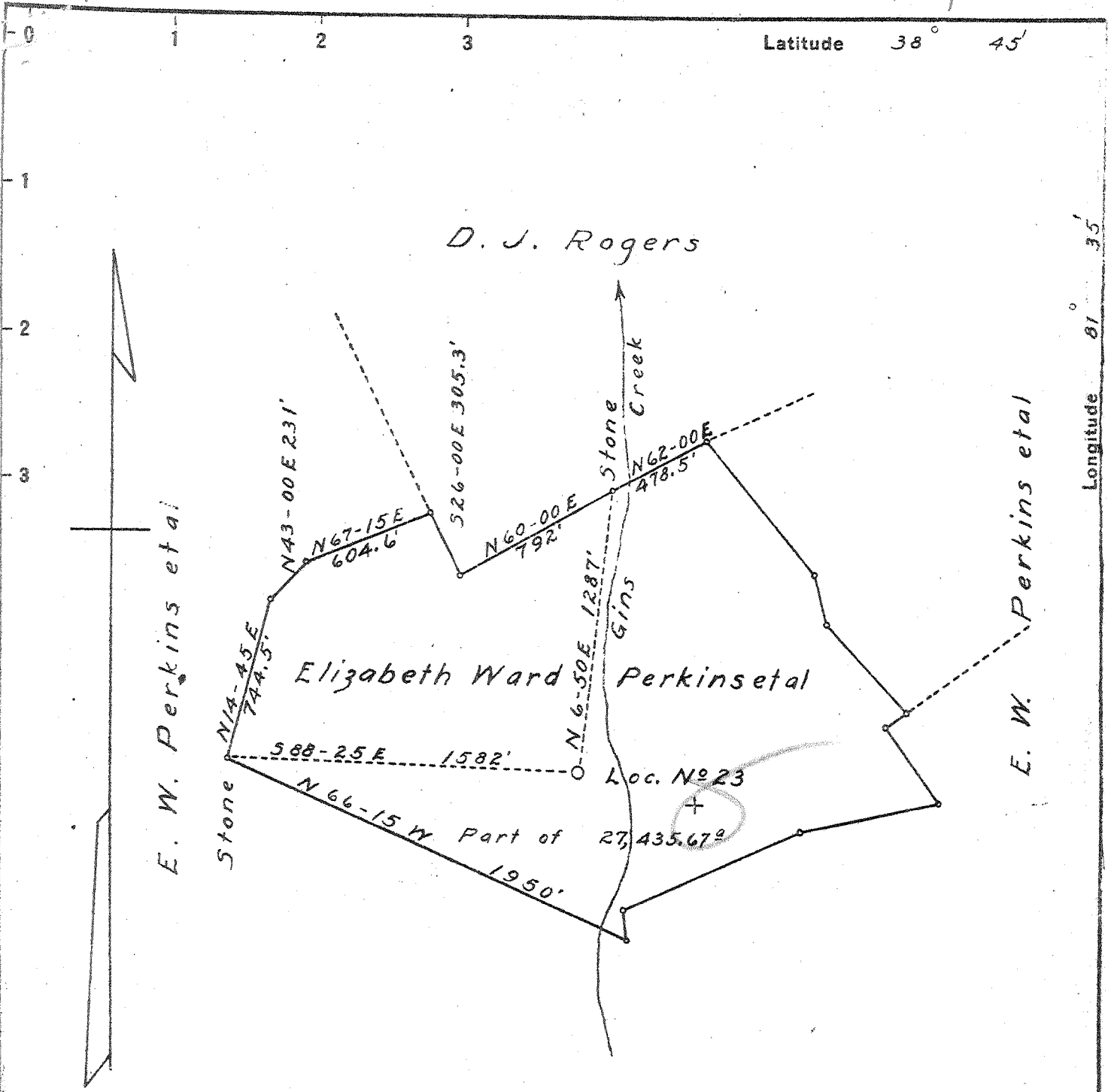
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE X DEEP ___ SHALLOW X
 LOCATION: ELEVATION 811.51 WATER SHED Cln Run of Stonelick Creek
 DISTRICT Ripley COUNTY Jackson
 QUADRANGLE Kenna

SURFACE OWNER Clyde J. Hatcher, et ux ACREAGE 49.50 (T.M. 50, Par. 16)
 OIL & GAS ROYALTY OWNER Elizabeth Ward Perkins, et al LEASE ACREAGE 27,435.67
 LEASE NO. 2428

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION X PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 4,800' KB
 WELL OPERATOR Blazer Energy Corp. DESIGNATED AGENT Robert Alley
 ADDRESS P.O. Box 2347 ADDRESS P.O. Box 2347
Charleston, WV 25328 Charleston, WV 25328

COUNTY NAME JAC
 PERMIT 408F



E. W. Perkins et al

5.37-5
~~5.43-3~~
~~2.786~~
 2.76-W

New Location
 Drill Deeper
 Abandonment

Company	<u>United Carbon Co.</u>
Address	<u>Charleston, W. Va.</u>
Farm	<u>Elizabeth Ward Perkins et al</u>
Tract	Acres <u>27,435.67</u> Lease No. <u>2428</u>
Well (Farm) No.	<u>23</u> Serial No. <u>1089</u>
Elevation (Spirit Level)	<u>811.51</u>
Quadrangle	<u>Kenna - NC</u>
County	<u>Jackson</u> District <u>Ripley</u>
Engineer	<u>C. W. Withrow</u>
Engineer's Registration No.	
File No.	Drawing No.
Date	<u>Sept. 28, 1942</u> Scale <u>1" = 660'</u>

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

WELL LOCATION MAP

FILE NO. JAC-408

+ 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 408
Kenna Quad.

Gas Well
CASING & TUBING

Company	United Carbon Company		
Address	Box 1913, Charleston, 27, W.Va.	16	16'
Farm	Eliz. Ward Perkins et al Acres 27,435.67		
Location	Gins Creek	13 3/8	573' 0
Well No	23	Elev. 811.51	10 1/2 973' 3 973' 3
District	Ripley	Jackson County	8 5/8 2064 2064
Surface	George Anderson, Kenna, W.Va. 7 5030 5030		
Mineral	Eliz. Ward Perkins et al, c/o Jas. S. Conley, Atty. 1101 Union Bldg., Charleston, W.Va.		
Commenced	Jan. 28, 1943	Casing cemented:	
Completed	June 5, 1943	8 5/8"	510' 4-17-43
Not shot		7"	210' 5-24-43
Open flow	92/10ths W in 7"		
Volume	4,138,000 C.F.		
Rock Pressure	1720 lbs. 24 hrs.		
Fresh Water	100' 25 blrs. pr.hr.; 985'		
Salt Water	1600' H.F.		

Sand	16	42	Shale	Br	4705	4890
Red Rock	42	50	Slate		4890	4950
Sand	50	165	Shale	Bk - MARCELLUS	4950	5017
Red Rock	165	180	Corniferous Lime	-463	5017	5130
Sand	180	225	Oriskany Sand		5130	5168
Red Rock	225	260	TOTAL DEPTH			5168
Sand	260	282				
Slate Wh	282	292				
Red Rock	292	375	Show gas	2535'		
Slate Wh	375	420	Gas	5133 Show. No test.		
Sand	420	438				
Slate & Shells	438	534	GAUGES IN ORISKANY SAND:			
Sand	534	556	5138'	2/10 W 7" 22#	610	MCF
Red Rock	556	622	5140'	6/10 W 7" "	1,057	
Slate	622	685	5143'	12/10 W 7" "	1,518	
Red Rock	685	703	5147'	20/10 W 7" "	1,929	
Slate	703	815	5150'	17/10 W 7" "	1,779	
Red Rock	815	845	5155'	16/10 W 7" 22#	1,726	
Slate	845	860	5156'	60/10 W 7" 22#	3,341	
Red Rock	860	877	5158'	84/10 W 7" 22#	3,953	
Slate & Shells	877	938	5159'	109/10 W 7" 22#	4,504	
Sand	938	950	5161'	73/10 W 7" 22#	3,686	
Slate	950	967	5164'	92/10 W 7" 22#	4,138	
Sand	967	1051	5168'	92/10 W 7" 22#	4,138	MCF
Slate	1051	1095				
Sand	1095	1135				
Slate	1135	1173				
Sand	1173	1295				
Slate & Shells	1295	1379				
Sand	1379	1390				
Slate & Shells	1390	1424				
Sand	1424	1454				
Slate Bk	1454	1565				
Salt Sand	1565	1812				
Little Lime	1812	1822				
Slate - P. Cove?	1822	1824				
Big Lime	1824	1987				
Injun Sand - 50' low?	1987	2012				
Slate Wh	2012	2023				
Lime	2023	2060				
Slate & Shells	2060	2525				
Aerea Shells	2525	2545	Show gas	2535'		
Slate & Shells	2545	3670				
Shale Br - 44'	3670	3785				
Slate & Shells	3785	4127				
Shale Br	4127	4260				
Slate & Shells	4260	4705				