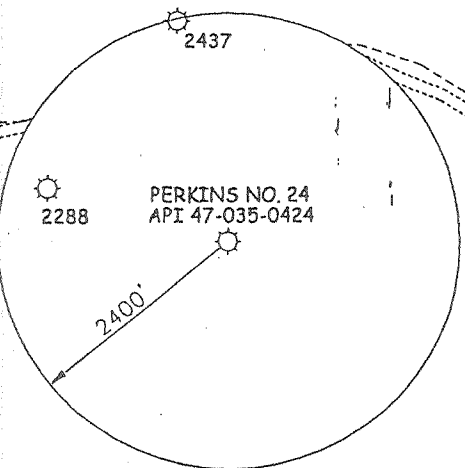


PERKINS NO. 24  
STATE PLANE COORDINATES  
(SOUTH ZONE)  
N. 605,187  
E. 1,818,673  
LAT=(N) 38.660279  
LONG=(W) 81.635001



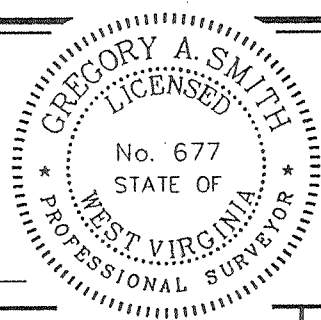
**NOTES ON SURVEY**

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 313 PAGE 706 AND DEED BOOK 300 PAGE 377.
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).



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 NO. 24  
API WELL NO. 47 - 035 - 0424  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 5478P24 (165-69)  
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE) SCALE 1" = 200'

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 917' WATERSHED GIN RUN OF STONE LICK CREEK  
DISTRICT RIPLEY COUNTY JACKSON QUADRANGLE KENNA 7.5'

SURFACE OWNER RAYMON CUNNINGHAM II et ux ACREAGE 6.61±  
ROYALTY OWNER ELIZABETH WARD PERKINS et al LEASE ACREAGE 27,435.67±  
PROPOSED WORK: LEASE NO. 2428

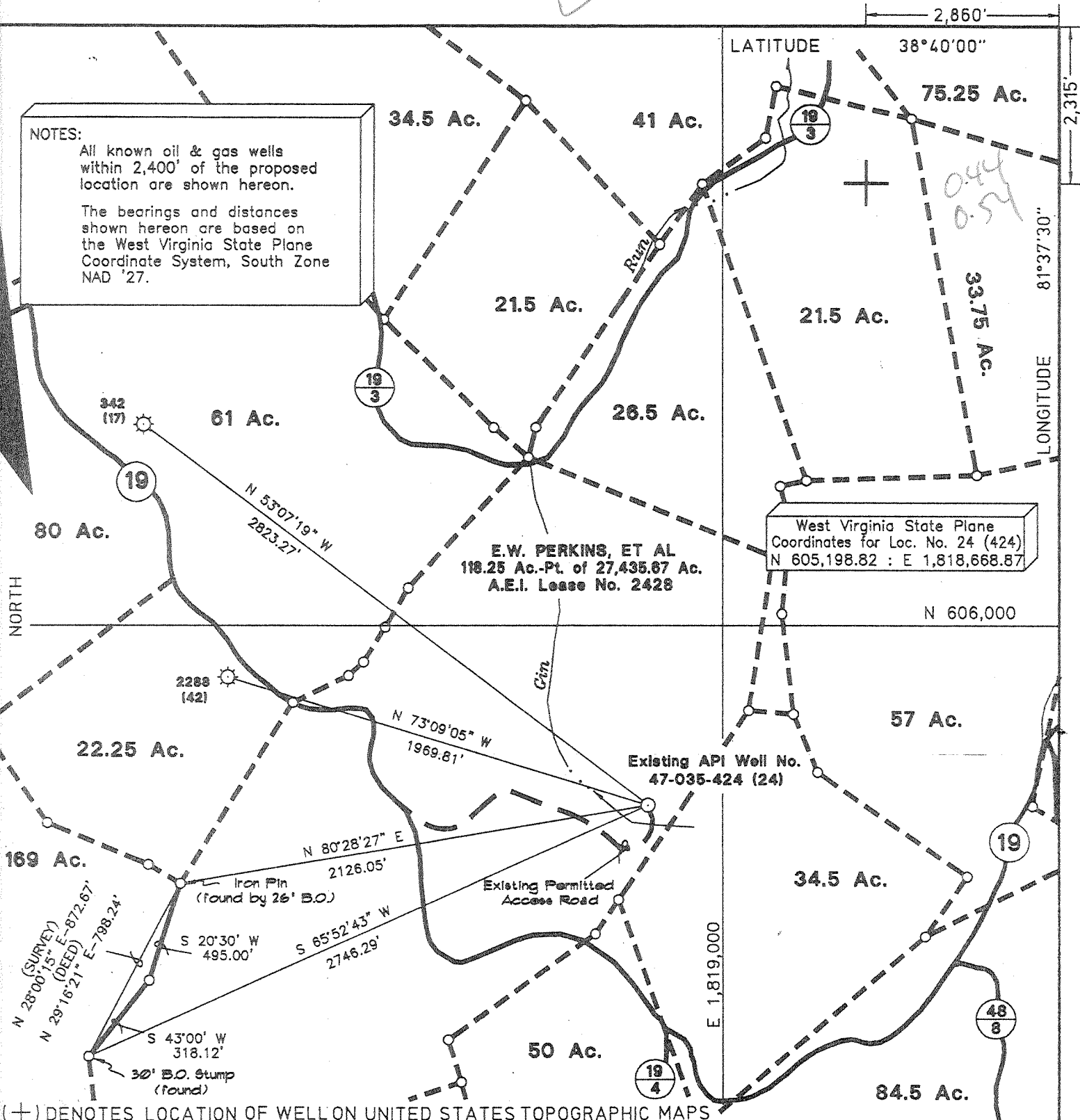
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD   
FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION DEVONIAN SHALE  
ESTIMATED DEPTH 4,800'

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 0424 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.



FILE NO. 4519 WJ  
 DRAWING NO. 24WW6  
 SCALE 1" = 600'  
 MINIMUM DEGREE OF ACCURACY 1 : 110,729  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_  
 API Well No. 47-035-424

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. Eastham  
 R.P.E. \_\_\_\_\_ L.L.S. 150

RONALD L. EASTHAM  
 LICENSED  
 No. 150  
 STATE OF  
 WEST VIRGINIA  
 LAND SURVEYOR  
 PLACE SEAL HERE

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

DATE June 15, 1998  
 OPERATOR'S WELL NO. 24  
 API WELL NO. 47-035-424 F  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X

LOCATION: ELEVATION 908.13 WATER SHED Cin Run of Stonelick Creek  
 DISTRICT Ripley COUNTY Jackson  
 QUADRANGLE Kenna

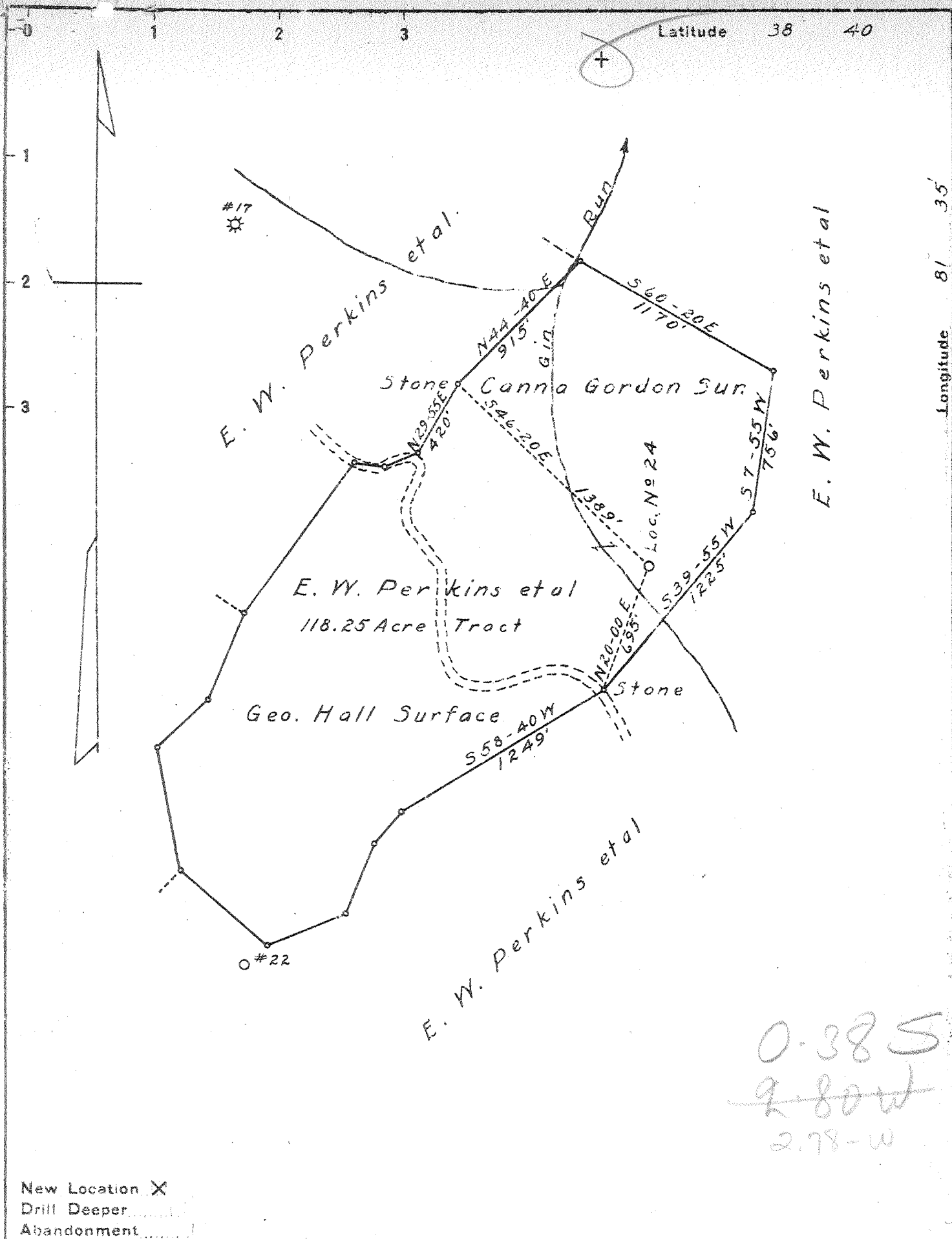
SURFACE OWNER Ray Cunningham ACREAGE 8.83 (T.M. 54, Par. 33.1)  
 OIL & GAS ROYALTY OWNER Elizabeth Ward Perkins, et al LEASE ACREAGE 27,435.67  
 LEASE NO. 2428

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

AUG 10 1998

COUNTY NAME JAC  
 PERMIT 424 F



0.385  
~~2.80w~~  
 2.78-w

New Location X  
 Drill Deeper .....  
 Abandonment .....

Company	United Carbon Co.	
Address	Charleston, W. Va.	
Farm	Elizabeth Ward Perkins et al	
Tract	Acres 27,435.67	Lease No. 2428
Well (Farm) No.	24	Serial No. 1104
Elevation (Spirit Level)	908.13	
Quadrangle	Kenna - C	
County	Jackson	District Ripley
Engineer	E. Withrow	
Engineer's Registration No.		
File No.	Drawing No.	
Date	Nov. 17, 1942 Scale 1" = 660'	

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

WELL LOCATION MAP  
 FILE NO. JAC-424

+ 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.

Deep Well ✓

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

Permit No. Jac 424

Gas Well  
CASING & TUBING

Kenna Quad.	United Carbon Company		
Company	Box 1913, Charleston, 27, W.Va.		
Address	Eliz. Ward Perkins et al Acres 27,435.67		
Farm	Gin Run 16" (Wood) 16' 16'		
Location	24	Elev. 908.13	13 3/8 674' 0
Well No	Ripley	Jackson County	10 1/2 1070' 0
District	Canna Gordon, Kenna, W.Va.		8 5/8 2172' 2172'
Surface	Eliz. Ward Perkins et al		7 5120' 5120'
Mineral	c/o Jas. S. Conley, Atty., 1101 Union Bldg. Charleston, W.Va.		
Commenced	Jan. 17, 1943	8 5/8" 536'	6-5-43
Completed	Aug. 14, 1943	7" 196'	8-1-43
Date shot	8-14-43 Depth 5220 to 5245 with 50 qts. gly.		
Open flow	32/10ths M in 7"		
Volume	8,832,000 C.F.		
Rock Pressure	1400 lbs. 24 hrs.		
Fresh Water	75' 2 blrs. pr. hr.;		
Salt Water	1215-1220' Show; 1650-1705' H.F.		

Red Rock	0	40	Big Lime	2027	2135
Sand	40	210	Injun Sand	2135	2160
Red Rock	210	305	Slate & Shells	2160	2500
Sand	305	335	Shale Brown	2500	2510
Red Rock	335	345	Berea Sand	2510	2518
Slate Wh	345	375	Slate & Shells	2518	3750
Sand	375	410	Shale Br - 441	3750	3780
Red Rock	410	425	Slate & Shells	3780	4140
Slate Wh	425	475	Shale Br	4140	4160
Sand	475	485	Slate Wh	4160	4230
Slate Wh	485	515	Shale Br	4230	4367
Sand	515	540	Slate Wh	4367	4785
Slate	540	550	Shale Br	4785	5045
Sand - 1 P.H.S. Sand?	550	627	Shale Bk - MARCELLUS	5045	5106
Red Rock	627	672	Corniferous Lime - 463	5106	5212
Lime	672	682	Oriskany Sand	5212	5250
Slate Wh	682	695	TOTAL DEPTH	5250	
Red Rock	695	724			
Sand	724	730	Gas show 2512'		5106 5212
Red Rock	730	760	Gas 5220' Show. No test		908 908
Slate	760	790			4198 4304
Lime	790	810	GAUGES IN ORISKANY B.S.		
Slate Wh	810	835	5222' 2/10 W 7" 22#	610 MCF	
Red Rock	835	845	5224' 4/10 W 7" "	862 "	
Slate Wh	845	870	5225' 10/10 W 7" "	1,364 "	
Red Rock	870	900	5227' 20/10 W 7" "	1,929 "	
Lime	900	905	5228' 18/10 W 7" "	1,831 "	
Slate Dk	905	915	5230' 24/10 W 7" "	2,113 "	
Slate Dk	915	950	5232' 28/10 W 7" "	2,282 "	
Red Rock	950	975	5234' 28/10 W 7" "	2,282 "	
Slate	975	980	5236' 48/10 W 7" 22#	2,989 "	
Sand	980	990	5240' 70/10 W 7" "	3,610 "	
Slate Wh	990	1020	5250' 30/10 W 7" "	2,363 MCF	
Sand - Bk - BUNKAR - ?	1020	1100			
Slate Wh	1100	1110	RECORD OF SHOT:		
Sand	1110	1120	Test before shot 32/10 W 7" 24#	2,394 MCF	
Slate & Shells	1120	1130	Shot with 50 qts. glycerine from 5220'		
Sand - Big BUNKAR - ?	1130	1223	to 5245' with 3 3 1/2" Shells on 5' Anchor		
Slate	1223	1244			
Sand	1244	1310	TEST AFTER SHOT:	10,239 MCF	
Slate	1310	1334	First 10 Mins. 43/10 43/10 M 7" 24#		
Sand	1334	1350	" 15 " 40/10 M 7" 24#	9,874 MCF	
Slate & Shells	1350	1427	" 20 " 38/10 M 7" 24#	9,622	
Sand & Lime	1427	1455	" 25 " 36/10 M 7" 24#	9,366	
Slate	1455	1470	" 30 " 33/10 M 7" 24#	8,971	
Lime	1470	1480	" 35 " 33/10 M 7" 24#	8,971	
Slate	1480	1590	" 40 " 33/10 M 7" 24#	8,971	
Sand	1590	1610	" 45 " 32/10 M 7" 24#	8,832	
Slate	1610	1640			
Salt Sand	1640	2027			