

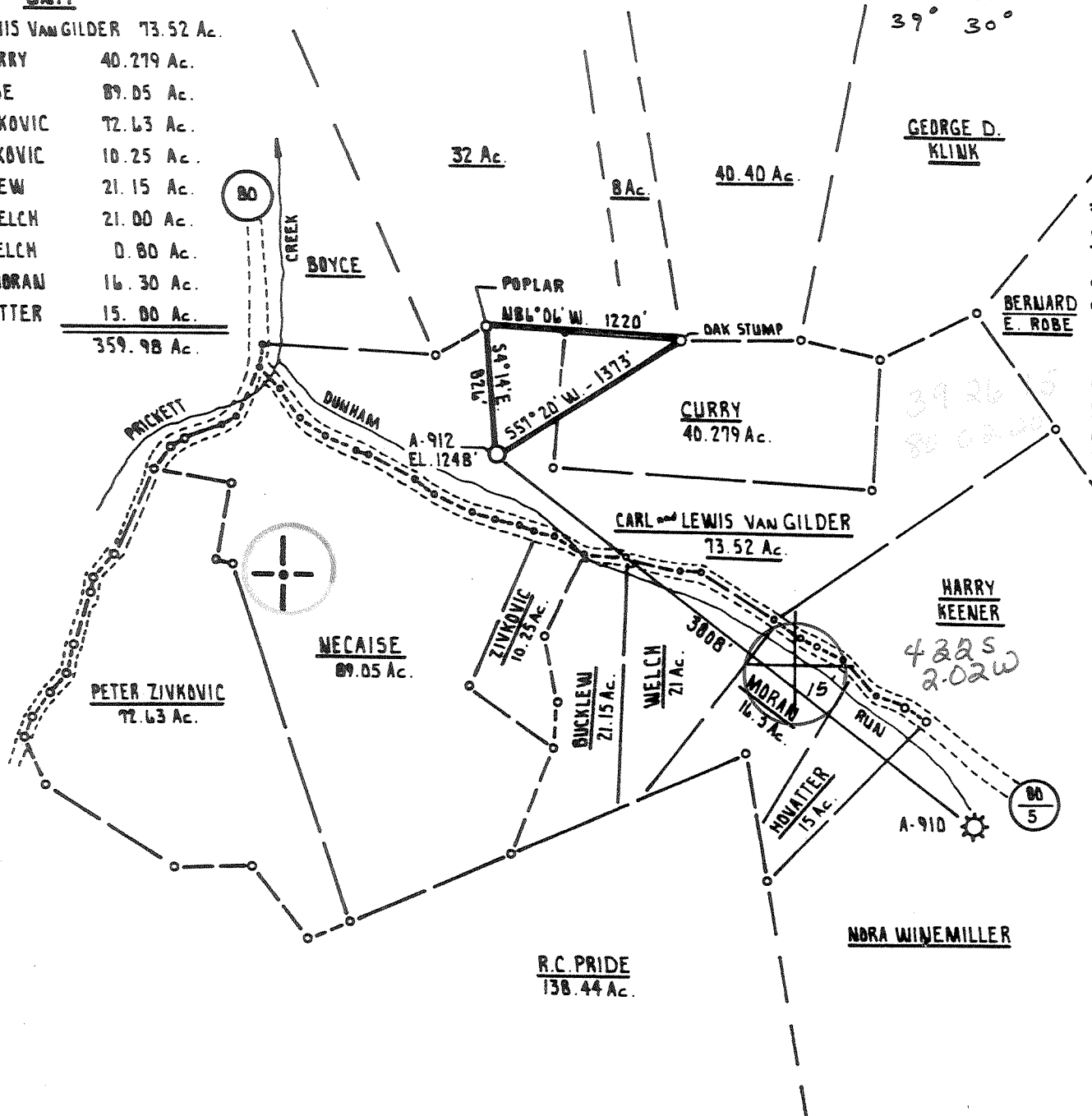
UNIT

CARL and LEWIS VAN GILDER 73.52 Ac.
 MYRTLE CURRY 40.279 Ac.
 C. J. NECAISE 89.05 Ac.
 PETER ZIVKOVIC 72.63 Ac.
 PETER ZIVKOVIC 10.25 Ac.
 C. D. BUCKLEW 21.15 Ac.
 BOBBY G. WELCH 21.00 Ac.
 BOBBY G. WELCH 0.80 Ac.
 FAY and K. F. MORAN 16.30 Ac.
 HARRY NOVATTER 15.80 Ac.
359.98 Ac.

LATITUDE 39° 27' 30"
 39° 30"

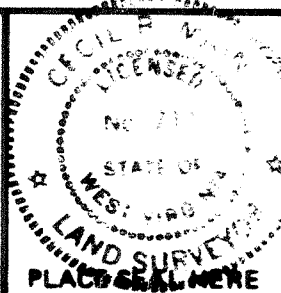
LONGITUDE 80° 00' 00"

NORTH



FILE NO. 435
 DRAWING NO. _____
 SCALE 1" = 1800'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INT. OF RT. 80 and RT. 84
 ELEVATION 1106'

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



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



DATE APRIL 29th, 19 81
 OPERATOR'S WELL NO. A-912
 API WELL NO. _____
47 - 049 - 0692
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1248' WATER SHED DUNHAM LICK RUN
 DISTRICT WINFIELD COUNTY MARION
 QUADRANGLE FAIRMONT EAST 7.5' Fairmont 15' NE
 SURFACE OWNER CARL and LEWIS VAN GILDER ACREAGE 73.52 Ac.
 OIL & GAS ROYALTY OWNER WILMA BUNNER, ET AL. LEASE ACREAGE 359.98 Ac.
 LEASE NO. _____
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6
Deep well
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BRISKANY ESTIMATED DEPTH 7600'
 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 26301 CLARKSBURG, WEST VIRGINIA 26301

Deep
(Bunners Ridge)
(367)
JUN 15 1981

OG-10
9-71



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
AUG 19 1981

OIL and GAS DIVISION
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Fairmont 7.5'

Permit No. 47-049-0692

Rotary XXX Oil
Cable Gas XXX
Recycling Comb.
WaterFlood Storage
Disposal
(Kind)

Company <u>Allegheny Land & Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1740, Clarksburg, W.Va. 26301</u>				
Farm <u>Burner Unit</u> Acres <u>359.98</u>				
Location (water) <u>Dunham Lick Run</u>	Size			
Well No. <u>A-912</u> Elev. <u>1248'</u>	<u>20-16</u>			
District <u>Winfield</u> County <u>Marion</u>	Cond. <u>11"</u>	<u>185.19</u>		
The surface is owned in fee by <u>Carl VanGilder</u>	<u>13-10"</u>			
	<u>9 5/8</u>			
Address <u>Rt 7 Box 183, Fairmont, W.Va.</u>	<u>8 5/8</u>	<u>1463.95'</u>	<u>1463.95'</u>	<u>w/125 sks. to surface</u>
Mineral rights are owned by <u>Wilma Burner et al</u>	<u>7</u>			
Address <u>Rt 6, Box 319, Fairmont, W.Va.</u>	<u>5 1/2</u>			
Drilling Commenced <u>June 6, 1981</u>	<u>4 1/2</u>	<u>7300'</u>	<u>7300'</u>	<u>w/225 sks. 6250'</u>
Drilling Completed <u>June 29, 1981</u>	<u>3</u>			
Initial open flow show <u> </u> cu.ft. <u> </u> bbls. <u> </u>	<u>2</u>			
Final production <u>622M</u> cu.ft.per day <u> </u> bbls.	Liners Used			
Well open <u>4</u> hrs before test <u>2250</u> RP.				

Well treatment details: Attach copy of cementing record.
Chert Sand treated w/2000 gallons 20% HCL 1514 bbls total fluid 40,000# 80/100 - 60,000# 20/40

622 MCF

Coal was encountered at 306-310 & 386-390 Feet Inches
Fresh water 94', 114' & 207' Feet Salt water Feet
Producing Sand Chert HRYL Depth 7067-7102

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
Top soil			0	6		
Sand			6	82		
Shale			82	96		
Sand & Shale			96	145		hole damp @ 94'
Sand			145	205		2" stream H ₂ O @ 114'
Sand & Shale			205	215		1/2" stream H ₂ O 207'
Sand			215	306		
Coal			306	310		
Sand			310	386		
Coal			386	390		
Sand & Shale			390	461		
Red Rock			461	478		
Salt Sand			478	526		
RR & Shale			526	642		
L. Lime			642	683		
B. Lime			683	790		
Big Injun			790	869		
Sand & Shale			869	885		
Sand			885	900		
Sand & Shale			900	1130		

AUG 24 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
Sand			1130	1292		
Sand			1292	1342		
Sand & Shale			1342	1347		
Sand			1347	1383		
Shale			1383	1580		
Red Rock			1580	1797		
Sand			1797	2267		
Sand & Shale			2267	2520		
Sand			2520	2530		
Sand & Shale			2530	6630		
Tully Lime Stone			6630	6700		
Shale	<i>Mahantango</i>		6700	6900		
Shale	<i>Marcellus</i>		6900	7000		
Lime	<i>Onentaga</i>		7000	7010		
Chert & Shale	<i>Huntersville</i>		7010	7200		
Sand	<i>Oriskany</i>		7200	7275		
Lime	<i>Helderberg</i>		7275	7401 T.D.		

Well was Fractured July 8, 1981 by Halliburton
 Perforations: 7067' - 7071' 4 holes
 7076' - 7102' 26 holes

Date: August 4, 1981

APPROVED

A. J. Sabat

Vice President Oil & Gas Productions

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-1-82



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL and GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE May 15, 1981
ALLEGHENY LAND AND MINERAL COMPANY
Company P. O. Drawer 1740
Address Clarksburg, West Virginia 26301
Farm Bunner Unit Acres 359.98
Location (waters) Dunham Lick Run
Well No. A-912 Elevation 1248'
District Winfield County Marion
Quadrangle Fairmont, East 7.5'

Surface Owner Carl & Lewis VanGilder - Route 7, Box 183
Address Fairmont, West Virginia 26554
Mineral Owner Wilma Bunner, etal - Route 6, Box 319
Address Fairmont, West Virginia 26554
Coal Owner Southern Ohio Coal (Matinka Mine #1)
Address Box 552, Fairmont, WV 26554
Coal Operator Southern Ohio Coal
Address _____

RECEIVED
MAY 21 1981
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR William Blosser
TO BE NOTIFIED Route 4, Box 317
Fairmont, West Virginia 26554
PHONE 363-9105

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 23, 1968 by Elvessa Satterfield, etal made to Phillips Petroleum Company and recorded on the 5th day of July 1968, in Marion County, Book 729 Page 186
XXX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) ALLEGHENY LAND AND MINERAL COMPANY

BY: Daniel L. Wheeler
Daniel L. Wheeler
Vice President
P. O. Box 1740
Clarksburg, West Virginia 26301

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

OFFICE OF OIL AND GAS
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 348-3092 348-3096

Address of Well Operator

*SECTION 3....If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BAND

47 - 049 - 0692 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by Daniel L. Wheeler

Survey

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XXX DRILL DEEPEN FRACTURE STIMULATE
 DRILLING CONTRACTOR: (If Known) Union Drilling Company RESPONSIBLE AGENT: Allegheny Land and Mineral Company
 NAME: Union Drilling Company NAME: Allegheny Land and Mineral Company
 ADDRESS: P. O. Drawer 40 ADDRESS: P. O. Drawer 1740
Buckhannon, West Virginia 26201 Clarksburg, West Virginia 26301
 TELEPHONE: 304-472-4610 Telephone: 304-623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 7600' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION Oriskany
 TYPE OF WELL: OIL _____ GAS XXX COMB _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	500'	500'	cement to surface
7			
5 1/2			
4 1/2	7600'	7600	cement to 300' above producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 273' FEET SALT WATER _____ FEET

APPROXIMATE COAL DEPTHS 70-79, 109-120, 291-316

IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Southern Ohio Coal

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Southern Ohio Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Southern Ohio Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

SOUTHERN OHIO COAL COMPANY

John A. Riley
For Coal Company

Manager of Properties
Official Title