



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL and GAS DIVISION
OIL and GAS WELL PERMIT

WELL NO. A-1089
FARM NAME Reed
API WELL NO. 47 - 085 - 5565
DATE April 6, 1982

WELL TYPE: Oil / Gas XXX /
If "Gas", Production / Underground storage / Deep / Shallow XXX /
LOCATION: Elevation: 842' Watershed: South Fork of Hughes River
District: Murphy County: Ritchie Quadrangle: Girta 7.5

WELL OPERATOR Allegheny Land and Mineral Company
Address P. O. Drawer 1740
Clarksburg, West Virginia 26301

DESIGNATED AGENT Allegheny Land & Mineral Company
Address P. O. Drawer 1740
Clarksburg, West Virginia 26301

OIL & GAS
ROYALTY OWNER William B. Reed
Address P.O. Box 62 Queen Valley
Apache, Arizona 85200
Acreage 50.50

COAL OPERATOR N/A
Address

SURFACE OWNER Harold G. Copen
Address 640 Sandy Lake Road
Kent, Ohio 44240
Acreage 50.50

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name William B. Reed
Address P.O. Box 62, Queen Valley
Apache, Arizona 85200
Name
Address

FIELD SALE (IF MADE) TO: Consolidated Gas Supply Corp
Address 445 West Main Street
Clarksburg, West Virginia 26301

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name Deo Mace
Address Route 1, Box 5
Sandridge, Wv 25274

The undersigned well operator is entitled to operate for oil or gas purposes as the above location under a deed
 / lease XXX / other contract / dated December 31, 1979, to the undersigned well operator from
William B. Reed, etux

(If said deed, lease, or other contract has been recorded:)

Recorded on Feb. 6, 1980, in the office of the Clerk of the County Commission of Ritchie County, West Virginia in Lease Book 130 at page 76. A permit is requested as follows:

RECEIVED

APR 8 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

PROPOSED WORK: Drill XXX / Drill deeper / Redrill / Fracture or stimulate

Plug off old formation / Perforate new formation /
Other physical change in well (specify)

-planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON STREET, EAST
CHARLESTON, WV 25311

BLANKET BOND

ALLEGHENY LAND AND MINERAL COMPANY
04/26/2024
BY: Daniel L. Wheeler
Daniel L. Wheeler, Vice President
P. O. Drawer 1740

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Union Drilling Company, Inc.
P. O. Drawer 1740
Buckhannon, West Virginia 26201

GEOLOGICAL TARGET FORMATION, Benson

Estimated depth of completed well 3650' feet Rotary XXX / Cable tools

Approximate water strata depths: Fresh, 20-40 feet; salt, feet.

Approximate coal seam depths: Unknown Is coal being mined in the area? Yes / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP or SACKS (Cubic Feet)	PACKERS Kinds
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left in well		
Conductor	16"				X	20'	20'	cement to surface	
Fresh Water	8 5/8"								Sizes
Coal	8 5/8"			X		700'	700'	cement to surface	
Intermediate			20#					To Surface	Depths set
Production	4 1/2"		J-55 10.50#	X		3650'	3650'	cement to 300' above producing horizon or as required by Rule 15.01	
Tubing									Perforations:
Liners									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the form prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9 "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form Iv-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued with fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements by the West Virginia Code and the governing regulations.

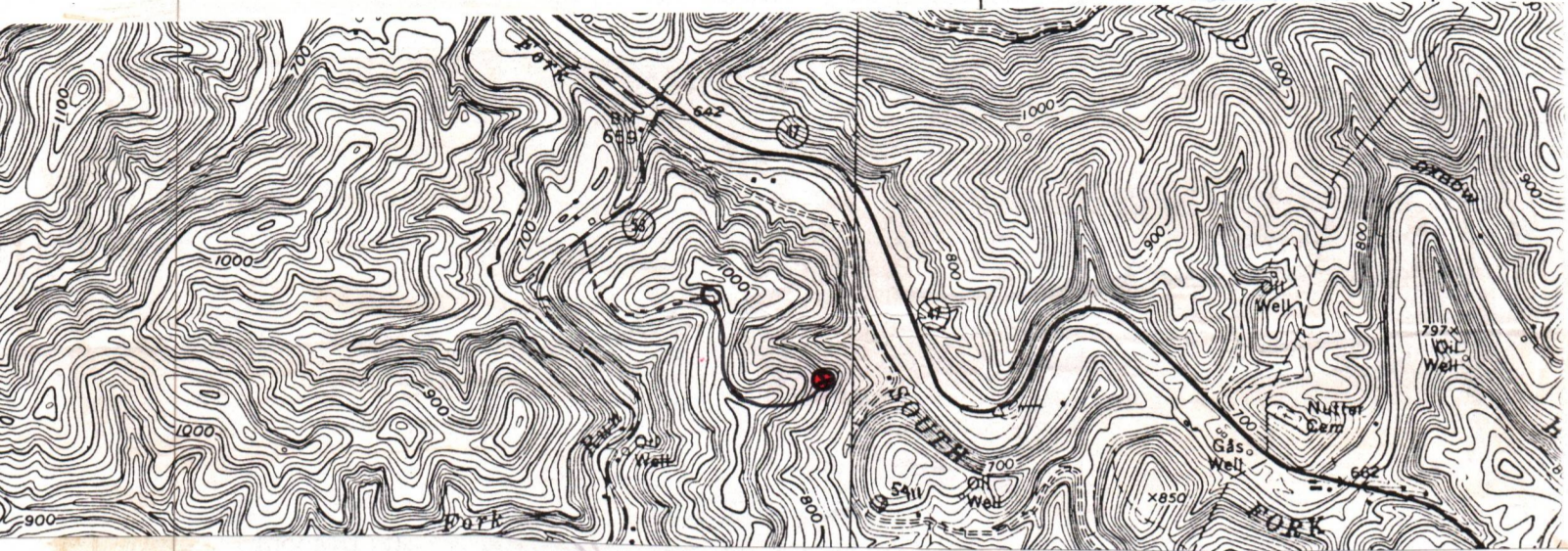
Date: 19 BY:

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 12-21-82.
BY [Signature]

04/26/2024

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Gerta 7.5

LEGEND	
Well Site	○
Access Road	—

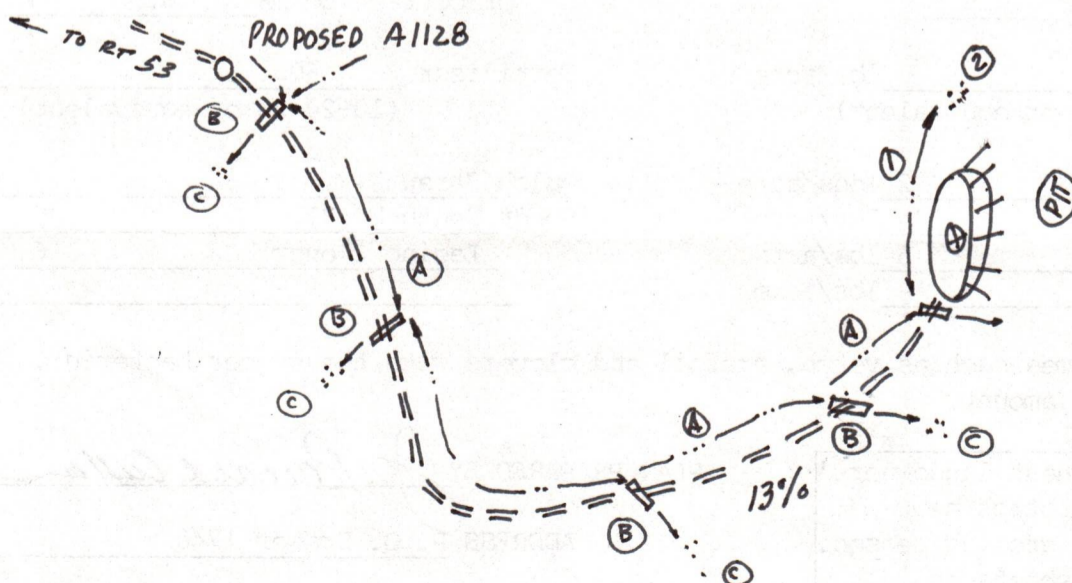


Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND			
Property boundary	—▲▲▲▲—	Diversion	//////
Road	====	Spring	○→
Existing fence	—x—x—	Wet Spot	⊗
Planned fence	—/—/—	Building	■
Stream	~...~...~	Drain pipe	—○→○→
Open ditch	—...→	Waterway	←— — —

COMMENTS:

Slope of access road 13% -- Cuts to be on a 2:1 slope or less. Access road subject to change by company of landowner. All ditches and culverts will be maintained after construction is completed.



04/26/2024



Date April 12, 1981
Well No. A-1089
API No. 47 - 085 - 5565
State County Permit

RECEIVED

State of West Virginia
Department of Mines
Oil and Gas Division

APR 19 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

CONSTRUCTION AND RECLAMATION PLAN

Company Name Allegheny Land & Mineral Co.
Address P. O. Box 1740
Clarksburg, West Virginia
Telephone 623-6671
Landowner Harold G. Copen, etux

Designated Agent J. Ronald Cullen
Address P. O. Box 1740
Clarksburg, West Virginia
Telephone 623-6671
Soil Cons. District Little Kanawha

Revegetation to be carried out by Halls Reclamation, Inc. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan. 4-14-82 Jarrett Newton
(Date) (SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing Earthen
Page Ref. Manual 1-10

Structure Drainage Ditch (1)
Material Earthen
Page Ref. Manual 1-10

Structure Culverts (B)
Spacing 12" Min. I. D.(Where needed)
Page Ref. Manual 1-8

Structure Rip-Rap (2)
Material Rock
Page Ref. Manual N/A

Structure Rip-Rap (C)
Spacing Rock
Page Ref. Manual N/A

Structure _____ (3)
Material _____
Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.

REVEGETATION

TREATMENT AREA I

TREATMENT AREA II

Lime 3 Tons/acre
or correct to pH 6.5

Lime 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Straw 2 Tons/acre

Mulch Straw 2 Tons/acre

Seed* Kentucky 31 45 lbs/acre

Seed* Kentucky 31 45 lbs/acre

Ladino Clover 6 lbs/acre

Ladino Clover 6 lbs/acre

lbs/acre

lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY J. Ronald Cullen 04/26/2024

ADDRESS P. O. Drawer 1740

Clarksburg, West Virginia 26301-1740

PHONE NO. 623-6671

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

Well was fractured June 9, 1982
 Perforations: 3586 - 3704 28 holes
 3786 - 3956 20 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
Dirt	0	30	2" water @ 1755'
Sand & Shale	30	277	Gas check @ 1720' no show
Red Rock	277	285	Gas check @ 1781' no show
Sand & Shale	285	505	
Red Rock	505	526	
Sand & Shale	526	618	
Red Rock	618	633	
Sand & Shale	633	675	
Red Rock	675	693	
Sand & Shale	693	798	
Red Rock	798	821	
Sand & Shale	821	868	
Red Rock	868	875	
Sand & Shale	875	920	
Sand & Shale & Red Rock	920	1150	
Sand & Shale	1150	1704	
B. Lime	1704	1755	
Shale	1755	1757	
B. Injun	1757	1784	
Sand & Shale	1784	1883	
Red Rock	1883	1910	
Sand & Shale	1910	3996 T.D.	

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company
 Well Operator

By: Raymond P. Mezza
 Vice President Oil & Gas Operations

Date: November 30, 1982

04/26/2024

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."

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

RECEIVED

MAY 27 1982

INSPECTOR'S WELL REPORT

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Permit No. 85-3565

Oil or Gas Well _____
(KIND)

Company <u>Allegany Land & Mineral</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Reed</u>	16			Kind of Packer _____
Well No. <u>1089</u>	13			Size of _____
District <u>MURPHY</u> County <u>RITCHIE</u>	10			
Drilling commenced _____	8 1/4			Depth set _____
Drilling completed _____ Total depth _____	6 5/8			
Date shot _____ Depth of shot _____	5 3/16			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED <u>8 3/8</u> SIZE <u>1101</u> No. FT. _____ Date <u>3-15-82</u>			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>B. J. HUGHES</u>			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: 1755' 2" water

3-17-82

DATE

Das Mall 04/26/2024

DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

RECEIVED

OCT - 4 1983

FINAL INSPECTION REQUEST
INSPECTOR'S COMPLIANCE REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 005-5565 County Ritchie
Company Allegheny Land M.C. Co. Farm REED
Inspector MIKE W Well No. A-1089
Date 9-30-83

RULE	DESCRIPTION	IN COMPLIANCE	
		Yes	No
23.06	Notification Prior to starting Work	_____	_____
25.04	Prepared before Drilling to prevent waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strength	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to prevent Waste	_____	_____
23.03	Reclaimed Drilling Site	<u>X</u>	_____
23.04	Reclaimed Drilling Pits	<u>X</u>	_____
23.05	No surface or underground Pollution	_____	_____
7.03	Identification Markings	<u>X</u>	_____

COMMENTS:
Final inspection O.K. To Release.

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

SIGNED: Mike Underwood
DATE: _____

04/26/2024



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

November 10, 1983

Allegheny Land & Mineral Company
 dba Alamco
 P.O. Drawer 1740
 Clarksburg, W.Va. 26301

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5492	Kencil L. Morton # A-1085	Grant
RIT-5565	William B. Reed # A-1089	Murphy
RIT-5566-REN	Clifton Valentine # A-1128	Murphy
RIT-5787	W.R. Brown Heirs # A-1165	Union
RIT-5788	Maxwell Heirs # A-1268	Union
RIT-5796	Cunningham/C.W. Rexroad # A-1254	Murphy
RIT-6203	James G. Parker # A-1261	Murphy
RIT-6206	H.E. Sommerville # A-1278	Union

In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.

Very truly yours,

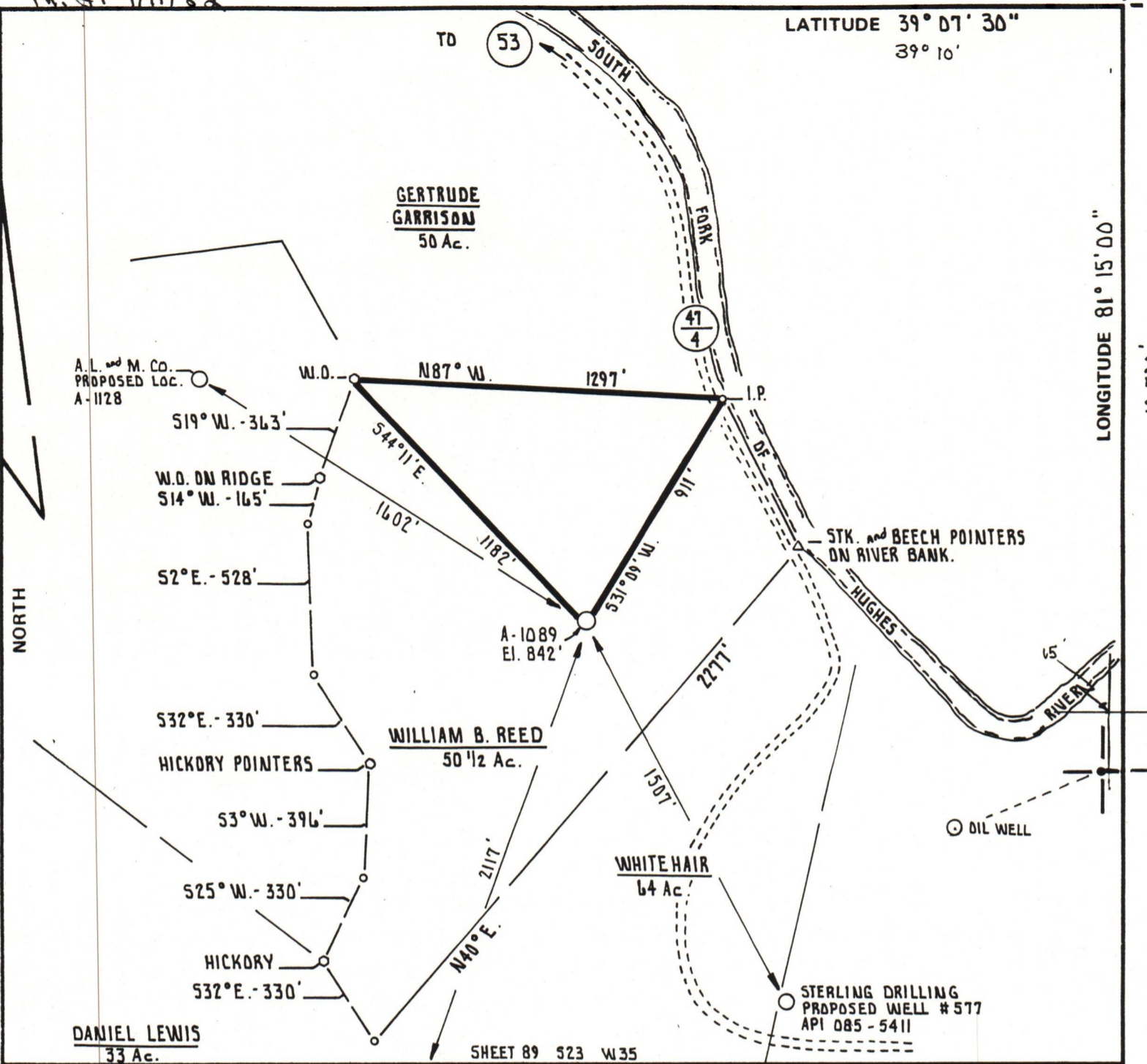
Theodore M. Streit, Administrator
 Dept. Mines-Office of Oil & Gas

TMS/

W. J. 4/11/82

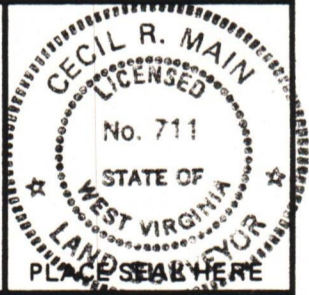
LATITUDE 39° 07' 30"
39° 10'

LONGITUDE 81° 15' 00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION INTERSECTION (47) and (53) ELEVATION 642'

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



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



DATE MARCH 18th 19 82
 OPERATOR'S WELL NO. A-1089
 API WELL NO. 47-085-5565
 STATE WEST VIRGINIA COUNTY MURPHY PERMIT 5565

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 ___ SHALLOW X
 LOCATION: ELEVATION 842' WATER SHED SOUTH FORK OF HUGHES RIVER
 DISTRICT MURPHY COUNTY RITCHIE
 QUADRANGLE GIRTA 7.5'
 SURFACE OWNER HAROLD G. COPEN, ET. UX. ACREAGE 48.419 Ac.
 OIL & GAS ROYALTY OWNER WILLIAM B. REED LEASE ACREAGE 50 1/2 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) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BALTOWIN ESTIMATED DEPTH 3650'
 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