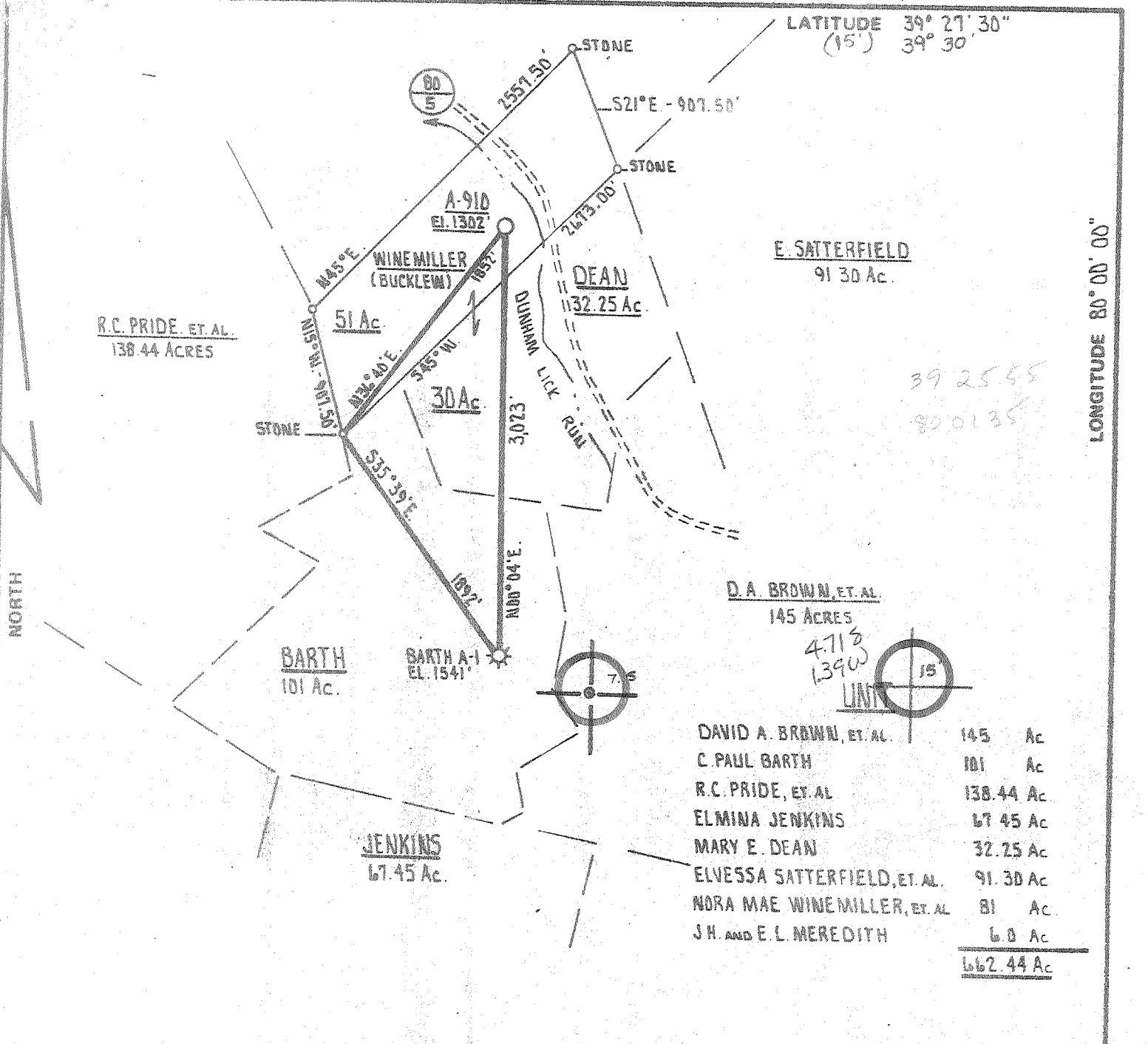


LATITUDE 39° 27' 30"
(15') 39° 30'

LONGITUDE 80° 00' 00"



39 25 55
80 01 35

D.A. BROWN, ET AL.
145 ACRES

4715
1390
UNIT



DAVID A. BROWN, ET AL.	145	Ac
C. PAUL BARTH	101	Ac
R.C. PRIDE, ET AL.	138.44	Ac
ELMINA JENKINS	67.45	Ac
MARY E. DEAN	32.25	Ac
ELVESSA SATTERFIELD, ET AL.	91.30	Ac
NORA MAE WINEMILLER, ET AL.	81	Ac
J.H. AND E.L. MEREDITH	6.8	Ac
TOTAL	662.44	Ac

FILE NO. 352
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION PHILLIPS PETROLEUM
BARTH A-1 ELEVATION 1541'

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) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE JUNE 3RD 19 80
 OPERATOR'S WELL NO. A-910
 API WELL NO. _____
47 - 049 - 0673
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1302' WATER SHED DUNHAM LICK RUN
 DISTRICT WINFIELD COUNTY MARION
 QUADRANGLE FAIRMONT EAST 7.5' FAIRMONT 15' NE
 SURFACE OWNER NORA MAE WINEMILLER ACREAGE 51
 OIL & GAS ROYALTY OWNER NORA MAE WINEMILLER, ET AL. LEASE ACREAGE 51 Ac. Of 662.44 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 DRISKANY ESTIMATED DEPTH 7600'
 WELL OPERATOR ALLEGHENY LAND AND MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND AND MINERAL CO.
 ADDRESS P.O. BOX 1740 SCHROATH BUILDING ADDRESS P.O. BOX 1740 SCHROATH BUILDING
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

Date: December 10, 1980

Operator's Well No. A-910

API Well No. 47 - 049 - 673
State County Ferris

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

WELL OPERATOR'S REPORT 23
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow)
LOCATION: Elevation: 1302' Watershed: Dunham Lick Run
District: Winfield County: Marion Quadrangle: Fairmont East 2.3

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
Address P. O. BOX 1740 Address P. O. BOX 1740
CLARKSBURG, W. VA. 26301 CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON May 27, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name William Blosser
Address P. O. Box 1062
Colfax, WV 26030

GEOLOGICAL TARGET FORMATION: Oriskany Depth 760'
Depth of completed well, 7420 feet Rotary / Cable Tools
Water strata depth: Fresh, 45', 60', 318' salt, _____ feet.
Coal seam depths: 50-59', 302-208' Is coal being mined in the area?
Work was commenced June 26, 1980, and completed July 12, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	REMARKS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	16"			x		25'	25'	Cemented to 25'
Fresh water	11-3/4"			x		139'	139'	"
Coal	8-5/8"			x		1404'	1404'	"
Intermediate	8-5/8"							
Production	4 1/2"			x		7326'	7326'	"
Tubing								
Liners								

OPEN FLOW DATA

HUNTERSVILLE OIL & GAS DIVISION
DEPT. OF MINES

Producing formation Chert Line pay zone depth 13200 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Mcf/d
Final open flow, 1,750 Mcf/d Final open flow, _____ Mcf/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, 3400# psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Mcf/d
Final open flow, _____ Mcf/d Final open flow, _____ Mcf/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

(Complete on reverse side)

JAN 26 1981

[08-78]

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

Well was fractured July 24, 1980 by Dowell.

Perforations: 7116- 7146' - 30 holes

WELL LOG

FORMATION	Color	Hard or Soft	23 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Soil			0	35	
Sand			35	50	Water - 1" Stream @ 45'
COAL *****			50	59	Coal *****
Sand & Shale			59	302	Water - 6" Stream @ 60' Increase @ 78
COAL *****			302	308	Coal *****
Sand & Shale			308	712	
Big Lime			712	872	
Injun Sand			872	920	
Sand & Shale			920	1938	
5th Sand			1938	1950	
Sand & Shale			1950	4796	
Elk Sand			4796	4802	
Sand & Shale			4802	6686	
Tulley Limestone			6686	7052	
Onandaga Sand			7052	7062	
Chert Lime			7062	7265	
Oriskany Sand			7265	7360	
<u>Hilderburg Sand</u>			7360	7420	
		Total depth		7420	(Driller)

(Attach separate sheets to complete as necessary)

Allegheny Land & Mineral Company
Well Operator

By Claron Dawson

Its Supt.

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."

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
 Address P.O. BOX 40
BUCKHANNON, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Oriskany
 Estimated depth of completed well, 7600 feet Rotary XX / Cable tools /
 Approximate water strata depths: Fresh, 85 feet; salt, feet.
 Approximate coal seam depths: 80-84 is coal being mined in the area?
 Yes / No XXX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (cubic ft.)		Packers or Perforations: Top botto
		GRADE	Weight Per ft.	New	Used	For drilling	left in well		
Conductor	16"				X	20'	20'	cement to surface	kinds
Fresh Water	8-5/8"								
Coal	8-5/8"		20#	X		1400'	1400'	cement to surface	sizes
Intermediate									
Production	4 1/2"		N-80 11.616	X		7600'	7600'	cement to 300' above producing horizon	depths set
Tubing									
Liners									

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 forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code S 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code S 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code S 22-4-12a, and (v) if applicable, the consent required by Code S 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.~~ **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 2-12-81

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 S 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

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 of the West Virginia Code and the governing regulations.

Date: 19

By

Date: May 27, 1980

Operator's Well No. A-910

API Well No. -7-049-673
State County Permit

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas XXX
(If "Gas", Production / Underground storage / Deep XXX / Shallow)
LOCATION: Elevation: 1302' Watershed: Dunham Lick Run
District: Winfield County: Marion Quadrangle: Fairmont East 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
Address P. O. DRAWER 1740 Address P. O. DRAWER 1740
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS ROYALTY OWNER Nora Mae Winemiller, etvir COAL OPERATOR
Address 770 East Buchtel Avenue Address
Apt
Akron, Ohio 44305

Acreage 81 out of a unit of 662.44 acres COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Nora Mae Winemiller, etvir Name John T. McGraw, etal
Address 770 East Buchtel Avenue Address Coal tied up in heirship
Apt. 2 no current ownership shown
Akron, Ohio 44305
Acreage 81 out of a unit of 662.44 acres

FIELD SALE (IF MADE) TO: Name Consolidated Gas Supply Corp. Address
445 West Main Street
Address Clarksburg, West Virginia COAL LESSEE WITH DECLARATION ON RECORD:
26301 Name

OIL & GAS INSPECTOR TO BE NOTIFIED Name William Blosser Address
Address P. O. Box 1082
Colfax, West Virginia 26566

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XXX / other contract / dated April 12, 1968, to the undersigned well operator from C. D. Bucklew, etal unto Phillips Petroleum Corporation subsequently unto Allegheny Land and Mineral Company by virtue of a letter agreement dated May 1, 1980

Recorded on , 19 , in the office of the Clerk of the County Commission of Marion County, West Virginia, in Deed Book 734 at page 585. A permit is requested as follows:

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
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

RECEIVED
JUN 4 1980

BLANKET BOND

ALLEGHENY LAND & MINERAL COMPANY
OIL & GAS DIVISION DEPT. OF MINES BY: Daniel L. Wheeler
Daniel L. Wheeler Vice President