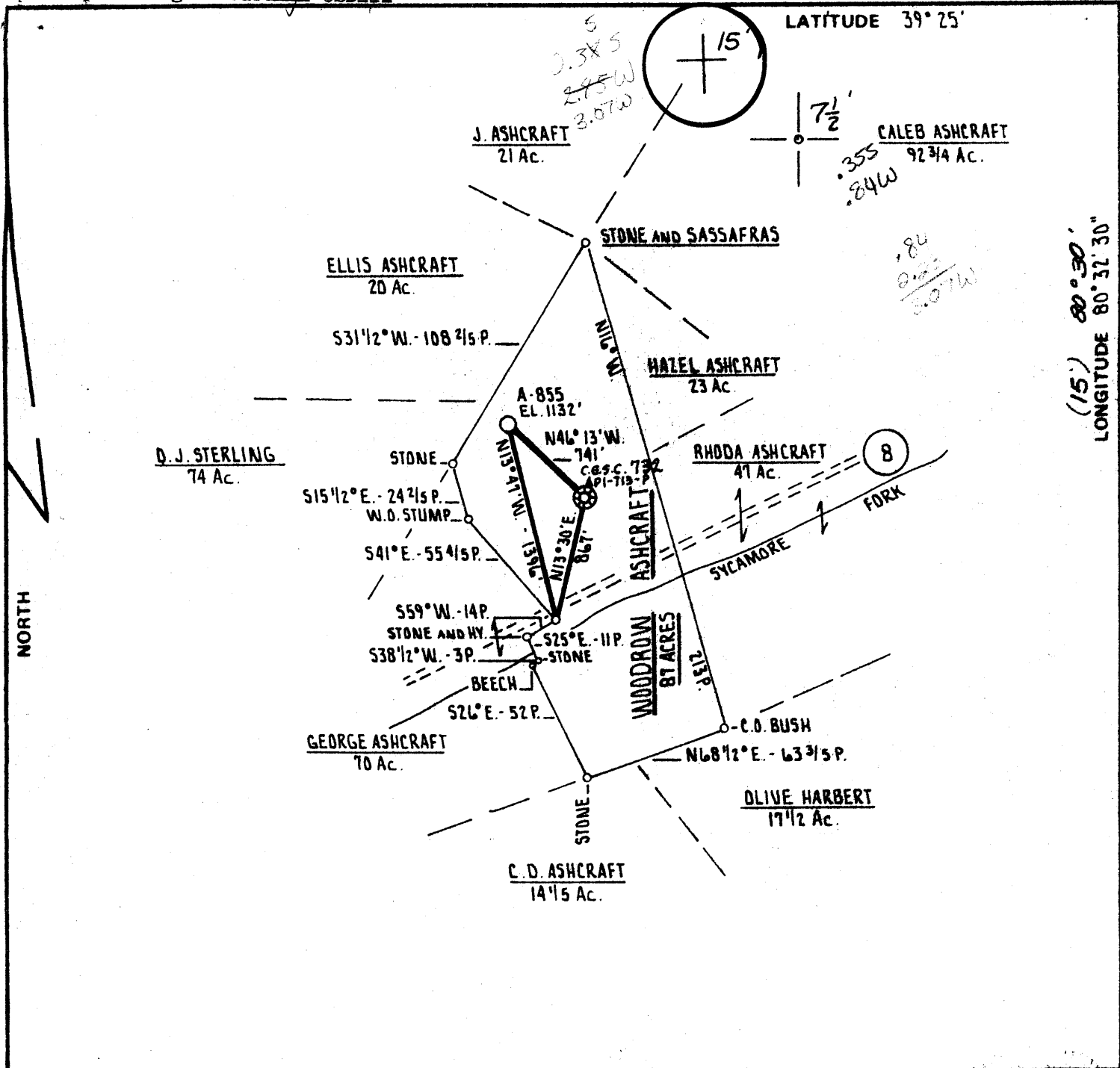


10/17/79



FILE NO. 308  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION BM 2.76 MILES NORTH OF INTERSECTION OF S.L.S. RT. #8 AND S.L.S. RT. #10 ON RT. #8 ELEV. 946'

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) Samuel 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)



DATE OCTOBER 8<sup>th</sup>, 19 79  
 OPERATOR'S WELL NO. A-855  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2526  
 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 \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1132' WATER SHED SYCAMORE FORK  
 DISTRICT McCLELLAN COUNTY DODDRIDGE  
 QUADRANGLE FOLSOM 7.5', CENTERPOINT 15' EC  
 SURFACE OWNER WOODROW ASHCRAFT, ET AL. ACREAGE 87 Ac.  
 OIL & GAS ROYALTY OWNER WOODROW ASHCRAFT, ET AL. LEASE ACREAGE 87 Ac.  
 LEASE NO. 424

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 BIG INJUN ESTIMATED DEPTH 2200'  
 WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.  
 ADDRESS SCHROATH BUILDING - P.O. BOX 1740 ADDRESS SCHROATH BUILDING - P.O. BOX 1740  
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

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

Date December 20, 1979

FORM IV-35  
(Obverse)

Operator's  
Well No. A-855

[08-78]

WELL OPERATOR'S REPORT

ACT Well No. 017-2526

OF  
DRILLING, FRACTURING AND/OR STIMULATING, PLUGGING OR CHANGING

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal   
(If "Gas", Production  / Underground storage  / Deep  / Shallow

LOCATION: Elevation: 1132' Watershed: Sycamore Fork  
District: McClellan County: Doddridge Quadrangle: Folsom 7.5'

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  / Fracture or stimulate   
Plug off old formation  / Perforate  / Other physical change in well (specify) DEC 28 1979

PERMIT ISSUED ON October 15, 1979

OIL & GAS DIVISION  
DEPT. OF MINES WORK:

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Big Injun Depth 2200 feet

Depth of completed well, 2566 feet Rotary  / Cable Tools

Water strata depth: Fresh,        feet; salt,        feet.

Coal seam depths:        Is coal being mined in the area?       

Work was commenced November 17, 1979, and completed November 27, 1979

LOGGING AND TUBING PROGRAM

LOGGING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLED OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Winds
Fresh water	8-5/8"			x		930'	930'	Cemented to surface
Gal								Slings
Intermediate								
Production	4 1/2"			x		2271'	2271'	1571' set
Tubing	1 1/2"			x		2130'	2130'	
Packers								Bottom

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 2128-2190 feet

Gas: Initial open flow,        Mcf/d Oil: Initial open flow,        Bbl/d

Final open flow, 327 Mcf/d Final open flow,        Bbl/d

Time of open flow between initial and final tests,        hours

Static rock pressure, 600# psig (surface measurement) after 16 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,        Bbl/d

Final open flow,        Mcf/d Final open flow,        Bbl/d

Time of open flow between initial and final tests,        hours

Static rock pressure,        psig (surface measurement) after        hours shut in.

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

Well was fractured December 4, 1979 by Halliburton.

Perforations: 2130 - 2138' - 8 holes

2171 - 2179' - 8 holes

WELL LOG

FORMATION	Color	Hard or Soft	3 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Soil			0	10	
Shale			10	70	
Sand & Shale			70	515	
Sand			515	700	
Sand & Shale			700	1305	
Salt Sand			1305	1367	
Sand & Shale			1367	1694	
Salt Sand			1694	1716	
Shale			1716	1788	
Sand			1788	1849	
Sand & Shale			1849	2128	
Injun Sand			2128	2190	
Sand & Shale			2190	2342	
Weir Sand			2342	2438	
Sand & Shale			2438	2548	
Berea Sand			- 2548	2554	
Shale			2554	2566	
		Total depth		2566	

(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."

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Date: Oct. 15, 1979

Operator's

Well No. A-855

API Well No. 47 - 017 - 2526

State Co. Permit

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 7-2-80

Robert J. [Signature]  
Deputy Director - Oil & Gas Division

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil      / Gas XX /  
(If "Gas", Production      / underground storage      / Deep      / Shallow XX /

LOCATION: Elevation: 1132 Watershed: Sycamore Fork  
District: McClellan County: Doddridge Quadrangle: Folsom 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. Designated Agent ALLEGHENY LAND & MINERAL CO.  
Address P.O. Box 1740 Address: P.O. BOX 1740  
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS ROYALTY OWNER Woodrow Ashcraft  
Address Route 1  
Bristol, WV 26332  
Acreage 87

SURFACE OWNER Woodrow Ashcraft  
Address Rt. 1  
Bristol, WV 26332  
Acreage 87

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

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Paul Garrett  
Address 321 Beech Street  
Clarksburg, WV 26301

COAL OPERATOR Consolidation Coal Co.  
address Box 1632  
Fairmont, WV 26554

Coal Owner(s) With Declaration On Record:  
NAME Woodrow Ashcraft  
Address Rt. 1  
Bristol, WV 26332  
NAME Sewell River Coal Co.  
Address 2412 Terminal Tower  
Cleveland, Ohio 44113

COAL LESSEE WITH DECLARATION ON RECORD:  
NAME       
Address     

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed      / lease xx / other contract      / dated May 11, 19 71, to the undersigned well operator from Woodrow Ashcraft, et al (IF SAID DEED, LEASE, OR OTHER CONTRACT HAS BEEN RECORDED:)

Recorded on May 27, 1971, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in lease book 94 at page 530. A permit is requested as follows:

PROPOSED WORK: Drill XX / 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 S 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

OCT 17 1979

OIL & GAS DIVISION  
DEPT. OF MINES

ALLEGHENY LAND & MINERAL COMPANY  
Well Operator

By [Signature]  
Glen E. Watkins, Manager  
Land, Lease & Right of Way

BLANKET BOND

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, Big Injun  
 Estimated depth of completed well, 2200 feet Rotary XX / Cable tools      /  
 Approximate water strata depths: Fresh, 80-100 feet; salt,      feet.  
 Approximate coal seam depths: 713' is coal being mined in the area?  
 Yes      / No xx /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (cubic ft.) Packers	
		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		750'	750'	cement to surface sizes
Intermediate								
Production	4½"		J 55 10.50#	X		2200'	2200'	cement to 300' above producing horizon depths set
Tubing								
Liners								perfor- ations: 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 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.

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