

LATITUDE 39° 15' 00"

LONGITUDE 80° 50' 00"

NORTH

S. DOUGLAS

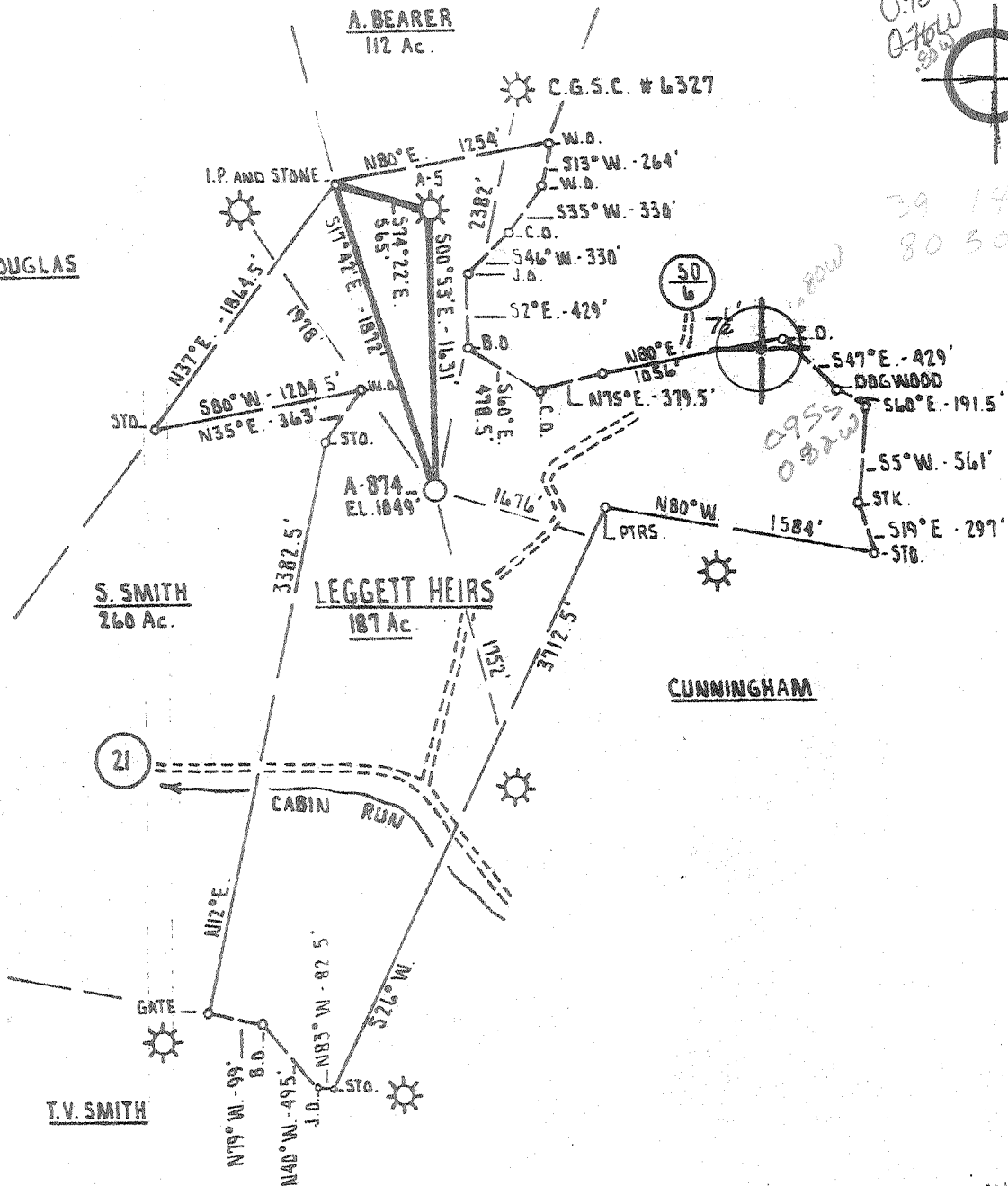
S. SMITH  
260 Ac.

A. BEARER  
112 Ac.

LEGGETT HEIRS  
187 Ac.

CUNNINGHAM

T.V. SMITH



FILE NO. 359  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION ALLEGHENY LAND AND MINERAL CO. ELEVATION 1175'  
 A-5

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) Wm. B. 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 JUNE 24<sup>th</sup> 19 80  
 OPERATOR'S WELL NO. A-874  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 2793  
 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 1049' WATER SHED CABIN RUN  
 DISTRICT CENTRAL COUNTY BOYD  
 QUADRANGLE OXFORD 7.5' FLYBOOK 15' NC  
 SURFACE OWNER CLIFFORD F. LLOYD ACREAGE 187 Ac.  
 OIL & GAS ROYALTY OWNER LEGGETT HEIRS LEASE ACREAGE 187 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 ALEXANDER ESTIMATED DEPTH 5500'  
 WELL OPERATOR ALLEGHENY LAND AND MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND AND MINERAL CO.  
 ADDRESS SCHROATH BUILDING - P.O. BOX 1740 ADDRESS SCHROATH BUILDING - P.O. BOX 1740  
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

OG-10  
9-71



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

JUN 18 1981

OIL and GAS DIVISION  
WELL RECORD

OIL & GAS DIVISION  
DEPT. OF MINES

Quadrangle Oxford 7.5'  
Permit No. 47-017-2793

Rotary XX Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas XX  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
WaterFlood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_  
(Kind)

Company <u>Allegheny Land &amp; 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>Leggett</u> Acres <u>187</u>				
Location (water) <u>Cabin Run</u>	Size			
Well No. <u>A-874</u> Elev. <u>1049'</u>	<u>20-16</u>			
District <u>Central</u> County <u>Doddridge</u>	Cond. <u>1 3/4</u>	<u>25'</u>	<u>25'</u>	
The surface is owned in fee by <u>Clifford Lloyd</u>	<u>13-10"</u>			
	<u>9 5/8</u>			
Address <u>Rt. 1 Box 221, West Union, W. Va. 26456</u>	<u>8 5/8</u>	<u>1223.45'</u>	<u>1223.45'</u>	<u>w/350 sks. to surface</u>
Mineral rights are owned by <u>Leggett Heirs, etal</u>	<u>7</u>			
Address <u>Rt. 2 Box 178, Salem, W.V.</u>	<u>5 1/2</u>			
Drilling Commenced <u>May 18, 1981</u>	<u>4 1/2</u>	<u>5316.57'</u>	<u>5316.57'</u>	<u>w/600 sks. 1700'</u>
Drilling Completed <u>May 29, 1981</u>	<u>3</u>			
Initial open flow <u>107,000</u> cu.ft. _____ bbls. <u>2</u>				
Final production <u>1,393M</u> cu.ft. per day _____ bbls. Liners Used				
Well open <u>4</u> hrs before test <u>1750#</u> RP.				

Well treatment details:

Attach copy of cementing record.

Alexander sand treated w/500 gal 15% HCL 810 bbls fluid 60,000# 20/40  
Benson sand treated w/ 500 gal 15% HCL 840 bbls fluid 60,000# 20/40

1,393 MCF

Coal was encountered at None Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 72' & 1938' Feet \_\_\_\_\_ Salt water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Alexander and Benson Depth \_\_\_\_\_  
5248-89 4808-12

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
Top Soil			0	8		Hole damp @ 72'
R. Rock			8	35		
Sand & Shale			35	125		
R. Rock			125	210		
Sand & Shale			210	300		
R Rock			300	320		Gas ck. @ 1847' no show
Sand & Shale			320	324		1/2 stream H <sub>2</sub> O @ 1938'
R. Rock			324	360		Gas ck. @ 2595' 124,000 CF
Shale			360	512		" " " 3001' 87,800 CF
R. Rock			512	601		" " " 4002' 76,000 CF
Shale			601	750		" " " 4631' 116,000 CF
Sand & Shale			750	793		" " " 5352' 107,000 CF
Shale			793	1370		
Shale			1370	1405		
Sand			1405	1500		
Shale			1500	2035		
B. Lime			2035	2161		
R. Rock			2161	2563		
Sand & Shale			2563	2900		
Sand			2900	2970		

JUN 31 1981

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
Shale			2970	3950		
Sand			3950	4000		
Shale			4000	4800		
Benson			4800	4820		
Sand & Shale			4820	5220		
Alexander			5220	5310		
Sand			5310	5352 TD		
Well was Fractured June 4, 1981 by Dowell						
Perforations: 4808'-4812' 16 holes						
5248'-5252' 4 holes						
5268'-5273' 5 holes						
5279'-5287' 8 holes						

Date: June 16 1981

APPROVED A. J. Sabat Owner  
 Vice President Oil & Gas Productions

RECEIVED

MAY 15 1981

Date: July 2 1980

Well No: A-874

Well No: 47-017-2793-REN.

OIL & GAS DIVISION  
DEPT. OF MINES

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil  Gas   
(If "Gas", Production  Underground storage  Deep  Shallow   
LOCATION: Elevation: 1049' Watershed: Cabin Run  
District: Central County: Doddridge Quadrangle: Oxford 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 Leggett Heirs, etal COAL OPERATOR None  
c/o Joe Nutter  
Address Route 2, Box 178 Address  
Salem, WV 26426

Acresage 187 COAL OWNER(S) WITH DECLARATION ON RECORD:  
SURFACE OWNER Clifford Lloyd Name -Leggett-Heirs,-etal  
Address Route 1, Box 221 Address -c/o-Joe-Nutter  
West Union, WV 26456 -Route-2;-Box-178-  
Acresage 187 Name -Salem,-WV---26426-

FIELD SALE (IF MADE) TO:  
Name Consolidated Gas Supply Corp Address Mr. Clifford Lloyd  
445 West Main Street Route 1, Box 221  
Clarksburg, WV 26301 West Union, West Virginia 26426

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Steve Casey Address JUL 18 1980  
Address Rt. 2, -Box 232D  
Jane Lew, WV 26378  
Telephone 884-7470

OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated July 29, 1957, to the undersigned well operator from Ralph Leggett, etal

Recorded on Oct. 16th, 1957, in the office of the Clerk of the County Commission of Doddridge County, West Virginia, in Deed Book 60 at page 50. A permit is requested as follows:

PROPOSED WORK: Drill  / 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

ALLEGHENY LAND & MINERAL COMPANY

BY: Daniel L. Wheeler  
Daniel L. Wheeler  
Vice President

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  
BUCHANAN, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Alexander  
 Estimated depth of completed well, 5500 feet Rotary XX / Cable tools      /  
 Approximate water strata depths: Fresh, 2000 feet; salt,      feet.  
 Approximate coal seam depths: 2126 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		
		GRADE	Weight Per ft.	New	Used	For drilling	left in well	(cubic ft.)	Packe
Conductor	16"				X	20'	20'	cement to surface	kinds
Fresh Water	8-5/8"								
Coal	8-5/8"		20#	X		500'	500'	cement to surface	sizes
Intermediate									
Production	4 1/2"		J 55 10.50#	X		5500'	5500'	cement to 300' above producing horizon	depth set
Tubing									
Liners									perforation Top bot

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.

THIS PERMIT MUST BE POSTED AT THE WELL WHERE FRACURING 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 WITH CHAPTER 22, OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR drilling renewed. This permit shall expire if operations have not commenced by January 15, 1982.

*[Signature]*  
 Deputy Director - Oil & Gas Division

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.



