

NORTH

W.L. STINESPRING
125 3/8 Ac.

BENJAMIN G. NUTTER
95 Ac.

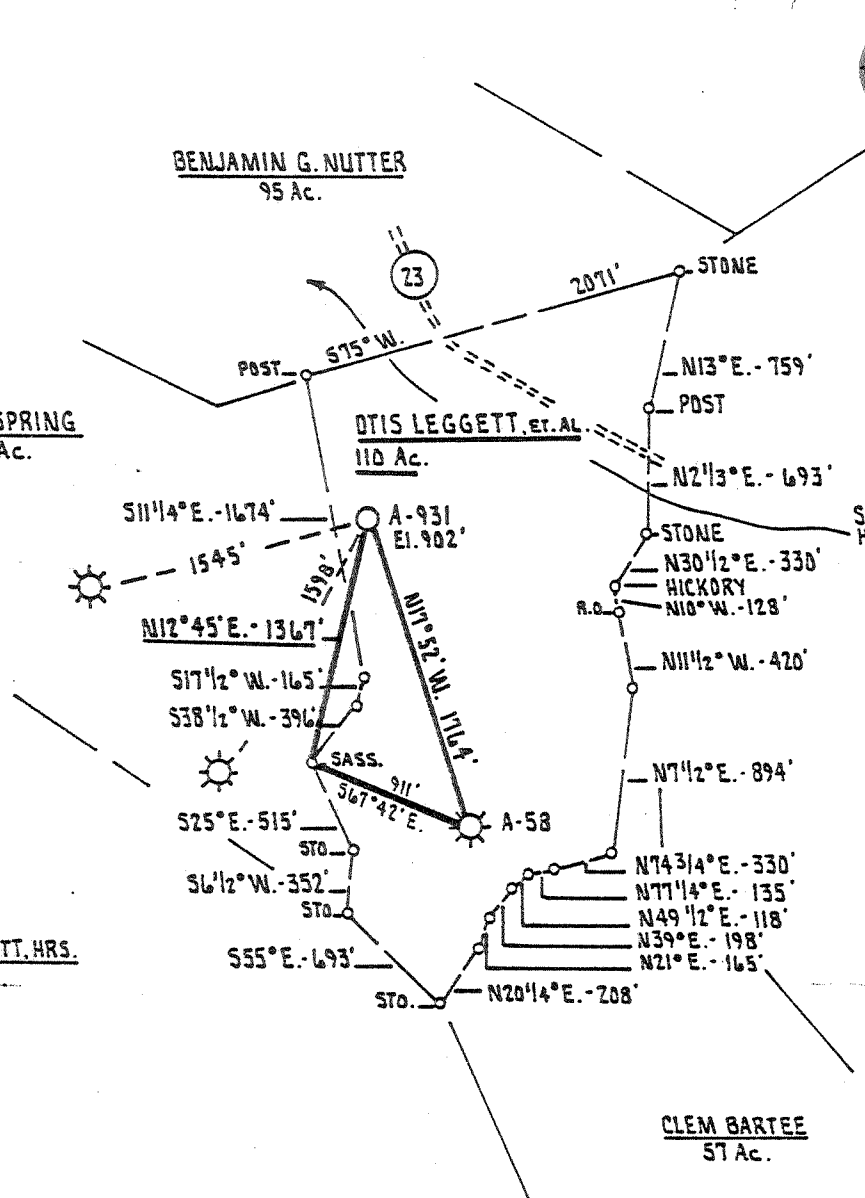
DTIS LEGGETT, ET. AL.
110 Ac.

SOUTH FORK
HUGHES RIVER

N.H. LEGGETT
121 Ac.

SARA D.E.
ROSCOE SCOTT, HRS.
171 Ac.

CLEM BARTEE
57 Ac.



FILE NO. 367
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION S.M. JEA 52 1962
ELEVATION 845'

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) *Amie L. Wheeler*
 R.P.E. _____ L.L.S. 530



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



DATE DECEMBER 31ST, 19 80
 OPERATOR'S WELL NO. A-931
 API WELL NO. _____
47 - 017 - 2953
 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 902' WATER SHED SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY ODDRIDGE
 QUADRANGLE OXFORD 7.5' Holbrook 15' NC
 SURFACE OWNER DTIS LEGGETT ACREAGE 110 Ac
 OIL & GAS ROYALTY OWNER DTIS LEGGETT, ET. AL. LEASE ACREAGE 110 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 5300'
 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

66 Straight Fork - Bluestone Creek (133) FEB 13 1981

RECEIVED

MAR - 9 1981

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

Date: March 4, 19 81

Operator's Well No. A-931

API Well No. 47 - 017 - 2953
State County Permit

OIL & GAS DIVISION WELL OPERATOR'S REPORT II
DEPT. OF MINES OF
DRILLING, REWORKING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow XX /)
LOCATION: Elevation: 902' Watershed: South Fork of Hughes River
District: Southwest County: Doddridge Quadrangle: Oxford 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENCY 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 X / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON January 5, 19 81

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Stephen Casey

Address Rt. 2 Box 232-D

_____, 19 _____

Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Alexander Depth 5300 feet

Depth of completed well, 5225 feet Rotary X / Cable Tools ___

Water strata depth: Fresh, 33 feet; salt, _____ feet.

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

Work was commenced February 4, 19 81, and completed February 9, 1981

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	11-3/4"			X		21'	0	Kinds
Fresh water	8-5/8"			X		1030'	1030'	Cemented to surface
Coal								Sizes
Intermediate								
Production	4 1/2"			X		5095'	5095'	4195' Depths set
Tubing								
Liners								Perforations: Top Bottom

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth 4658-4666 feet

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

Both Sands ----- Final open flow, 996 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, _____ hours

Static rock pressure, 1775# psig (surface measurement) after 48 hours shut in

[If applicable due to multiple completion--]

Second producing formation Alexander Sand Pay zone depth 4918-4974 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

(Continue on reverse side)

MAR 23 1981

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

Well was fractured February 26, 1981 by Halliburton.

Perforations: 4659 - 4663' - 16 holes

4926 - 4932' - 8 "

4950 - 4956' - 8 "

WELL LOG

FORMATION	Color	Hard or Soft	" Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Soil			0	12	
Sand & Shale			12	1692	
Little Lime			1692	1718	Water - 1" Stream @ 33'
Pencil Cave			1718	1744	
Big Lime			1744	1786	
Injun Sand			1786	1858	
Sand & Shale			1858	2020	
Weir Sand			2020	2090	
Bayard Sand			2090	2144	
Sand & Shale			2144	2582	
Gordon Stray Sand			2582	2590	
Sand & Shale			2590	2642	
Gordon Sand			2642	2650	
Sand & Shale			2650	3104	
Speechly Sand			3104	3148	
Sand & Shale			3148	3780	
Balltown Sand			3780	3846	
Sand & Shale			3846	4238	
Riley Sand			4238	4284	
Sand & Shale			4284	4658	
Benson Sand			4658	4666	
Sand & Shale			4666	4918	
Alexander Sand			4918	4974	
Shale			4974	5225	
		total depth		5225	(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."

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE January 5, 1981

ALLEGHENY LAND AND MINERAL COMPANY

Surface Owner Otis Leggett

Company P. O. Drawer 1740

Address 1002 Stadium Dr., St. Marys, WV 26170

Address Clarksburg, West Virginia 26301

Mineral Owner Otis Leggett, etal

Farm Otis Leggett Acres 110

Address 1002 Stadium Dr., St. Marys, WV 26170

Location (waters) South Fork of Hughes River

Coal Owner Otis Leggett, etal

Well No. A-931 Elevation 902'

Address 1002 Stadium Dr., St. Marys, WV 26170

District Southwest County Doddridge

Coal Operator N O N E

Quadrangle Oxford 7.5'

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
drilling. This permit shall expire if
operations have not commenced by 9-21-81

INSPECTOR
TO BE NOTIFIED
884-7470

STEPHEN CASEY
Rt. 2 - Box 232-D
JANE LEW, W.VA. 26378

PHONE 622-3871

Frederick B. ...
Deputy Director - Oil & Gas Division

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 July 19, 1957 by Otis Leggett, etal
made to Allegheny Land & Mineral Co and recorded on the 29th day of December
1980, in Doddridge County, Book 118 Page 524
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,

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

(Sign Name) ALLEGHENY LAND AND MINERAL COMPANY

BY: *Daniel L. Wheeler*

Address
of
Well Operator

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

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

*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.

47 - 017 - 2953 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*

BLANKET BOND

