

STRAIGHT LEASE 98.75 of 210 AC.

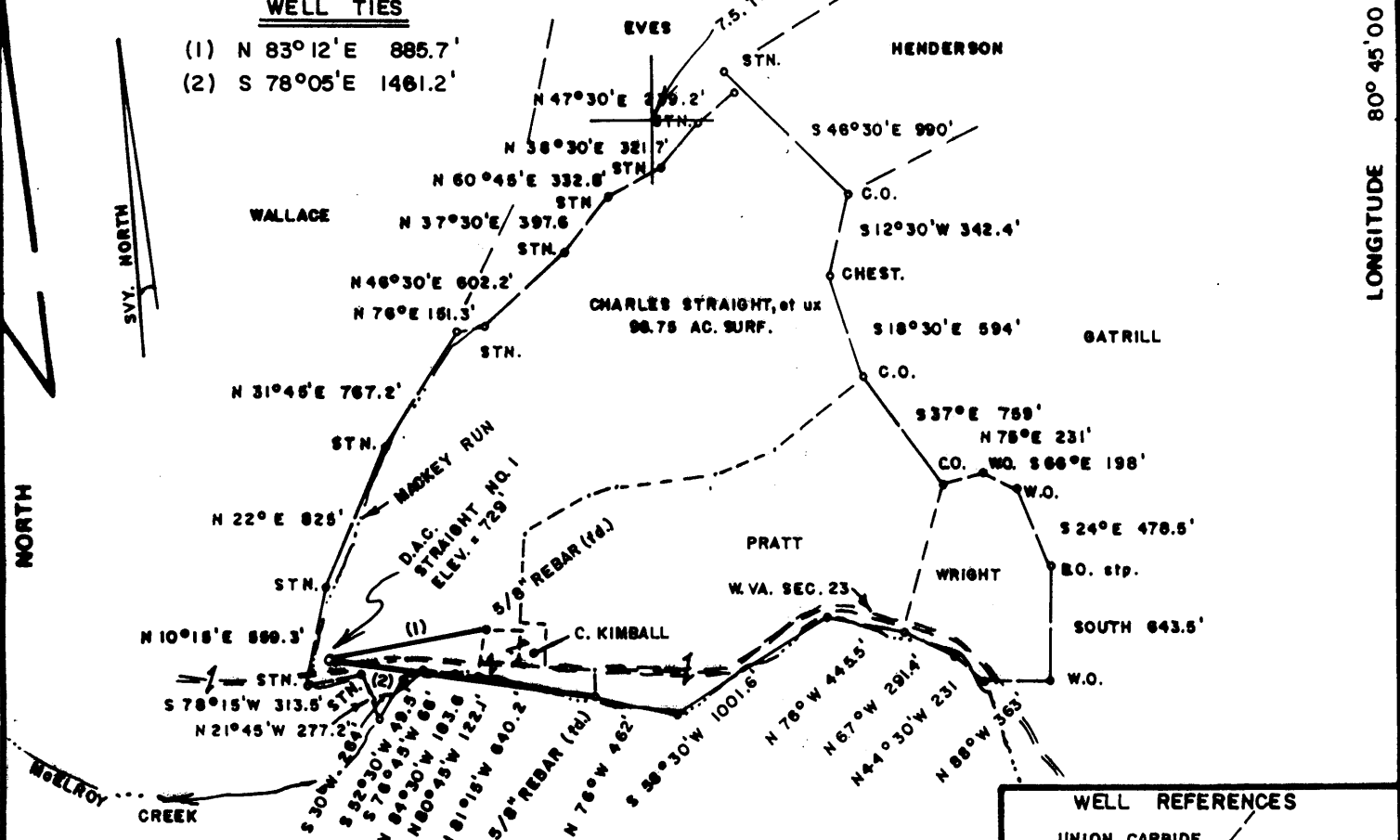
LATITUDE 39°25'00"

LONGITUDE 80°45'00"

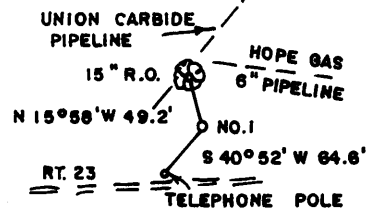
077
1-56

WELL TIES

- (1) N 83°12'E 885.7'
- (2) S 78°05'E 1461.2'



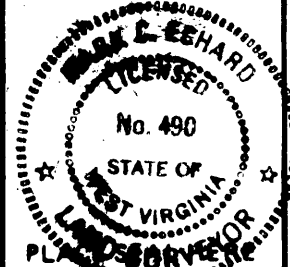
WELL REFERENCES



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B.M. WEST OF LEASE
 ELEV. = 731'

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.

Mark C. Echard
 (SIGNED) MARK C. ECHARD
 R.P.E. _____ L.L.S. 490



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE NOVEMBER 16, 19 95
 OPERATOR'S WELL NO. STRAIGHT NO. 1
 API WELL NO. 47-095-01643
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS.") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 729' WATER SHED MACKKEY RUN of McELROY CREEK
 DISTRICT McELROY COUNTY TYLER
 QUADRANGLE SHIRLEY 7.5' W U

SURFACE OWNER CHARLES STRAIGHT, et ux ACREAGE 98.75
 OIL & GAS ROYALTY OWNER WILLIAMS HEIRS LEASE ACREAGE 98.75 of 210
 LEASE NO. _____

PROPOSED WORK: DRILL 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 GORDAN ESTIMATED DEPTH 2900'

WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ADDRESS P.O. BOX 99
 ALMA, W. VA. 26320 ALMA, W. VA. 26320

6-6 92

RECEIVED
WV Division of
Environmental Protection

DEC 28 1995

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm Name: Straight
Location: Elevation: 729.00
District: McElroy
Latitude: 4050 Feet South of
Longitude: 8300 Feet West of

Operators Well No.: #1
Quadrangle: Shirley
County: Tyler
39 Deg. 25min. 0sec.
80 Deg. 45 min. 00 sec.

Company: Drilling Appalachian Corp
P. O. Box 99
Alma, WV 26320

casing tubing	used in drilling	left in well	cement fill up sks
9 5/8	151	133	50
6 5/8	1636	1607	280
4 1/2	2001	1956	75

Agent: Kenneth Mason

Inspector: Mike Underwood
Permit Issued: 11//22/95
Well Work Commenced: 11/29/95
Well Work Completed: 12/03/95
Rotary X Cable _____ Rig
Total Depth (feet) 2001'
Fresh Water Depths (ft) 28', 220"
Salt Water Depths (ft) 0
Is coal being mined in area (Y/N) N
Coal Depths (ft): none

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth (ft) 1720-1792'
Gas: Initial open flow 80 MCF/D Oil: Initial open flow 0 BBL/D
Final open flow 470 MCF/D Final open Flow 0 BBL/D
Static Rock Pressure 160# psig (surface pressure) after 24 Hours

Second producing formation _____* Pay zone depth (ft) ***
Gas: Initial open flow * MCF/D Oil: Initial open flow * BBL/D
Final open flow * MCF/D Final open flow * BBL/D
static rock pressure * psig (surface pressure) after * Hours

For: Drilling Appalachian Corp.

By: Kenneth R. Mason

Date: 12-20-95

Stage	Formation	Perfs	Sand	N2
12-11-95	Straight #1			
1st	Big Injun	1717-1789	350sks	112,000
Breakdown @ #1017				
ISIP	#1565			
5 min	#1236			

Drillers Log

Formation	Top	Bottom	
Clay	0	28	1" strm 28'
Sh	28	80	
Sand	80	107	
Sd/Sh	107	166	
R/R	166	204	
Sh/Sd	204	596	1' strm 220'
R/R	596	1030	
Sd/Sh	1030	1366	
Sand	1366	1409	
Sd/Sh	1409	1573	
Lime	1573	1589	
Sh	1589	1615	
Sh	1615	1720	gas chk @ 1721' no show
Sd	1720	1800	gas chk @ 1750' no show
Sh	1800	2001	gas chk @ 1812' 4/10 2" H2O
Td	2001		gas chk @ 1874' 4/10 2" H2O

Electric Log Tops

Formation	Depth top
Big Lime	2015
Berea	2565
Gordon	2770
Benson	5132

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas WELL WORK PERMIT APPLICATION

Issued 11/22/95
Expires 11/22/97

21412

- 1) Well Operator: 311 DRILLING APPALACHIAN CORPORATION
- 2) Operator's Well Number: Straight No. 1 3) Elevation: 729'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Gordon 419
- 6) Proposed Total Depth: 2,700 feet
- 7) Approximate fresh water strata depths: _____
- 8) Approximate salt water depths: _____
- 9) Approximate coal seam depths: _____
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: _____
- 12) _____

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	9 5/8"			120'	120'	55 sacks-class A
Fresh Water						
Coal						
Intermediate	7"	J-55	17#	1675'	1675'	38CSR18-11.2.2
Production	4 1/2"	J-55	10.5#	2600'	2600'	38CSR18-11.2.2
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

011023
47

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond _____ Agent
(Type)

Environmental Protection
NOV 22 1995
Permitting
Office of Oil & Gas

- 1) Date: November 17, 1995
- 2) Operator's well number
Straight #1
- 3) API Well No: 47 - 095 - 1643
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
 - (a) Name Charles Straight et ux
Address P.O. Box 2384
Weirton WV 26062
 - (b) Name _____
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
 - Name _____
Address _____
 - (b) Coal Owner(s) with Declaration
Name _____
Address _____
 - (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Mike Underwood
Address Rt 2, Box 135
Salem WV 26426
Telephone (304)- 782-1043

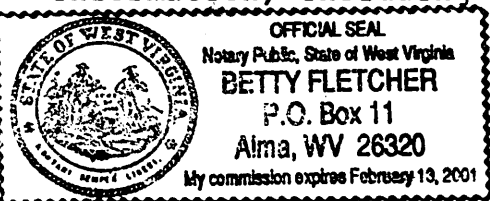
TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:
_____ Personal Service (Affidavit attached)
_____ Certified Mail (Postmarked postal receipt attached)
_____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Drilling Appalachian Corporation
By: *Remith O. Thomas*
Its: President
Address P.O. Box 99
Alma WV 26320
Telephone 304-758-4638



Subscribed and sworn before me this 17th day of November, 1995
Betty Fletcher Notary Public
My commission expires February 13, 2001

095-1643

3047582433

DRILLING APPA CO

11/20/95 17:04

P04

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

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Deep / Shallow /
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Coal						
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Liners						

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Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

011023 46

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 Plat WW-9 WW-2B Bond LC Agent
(Type)