

Janice 9/19/88

7810'W

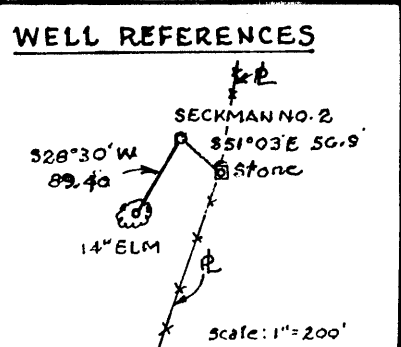
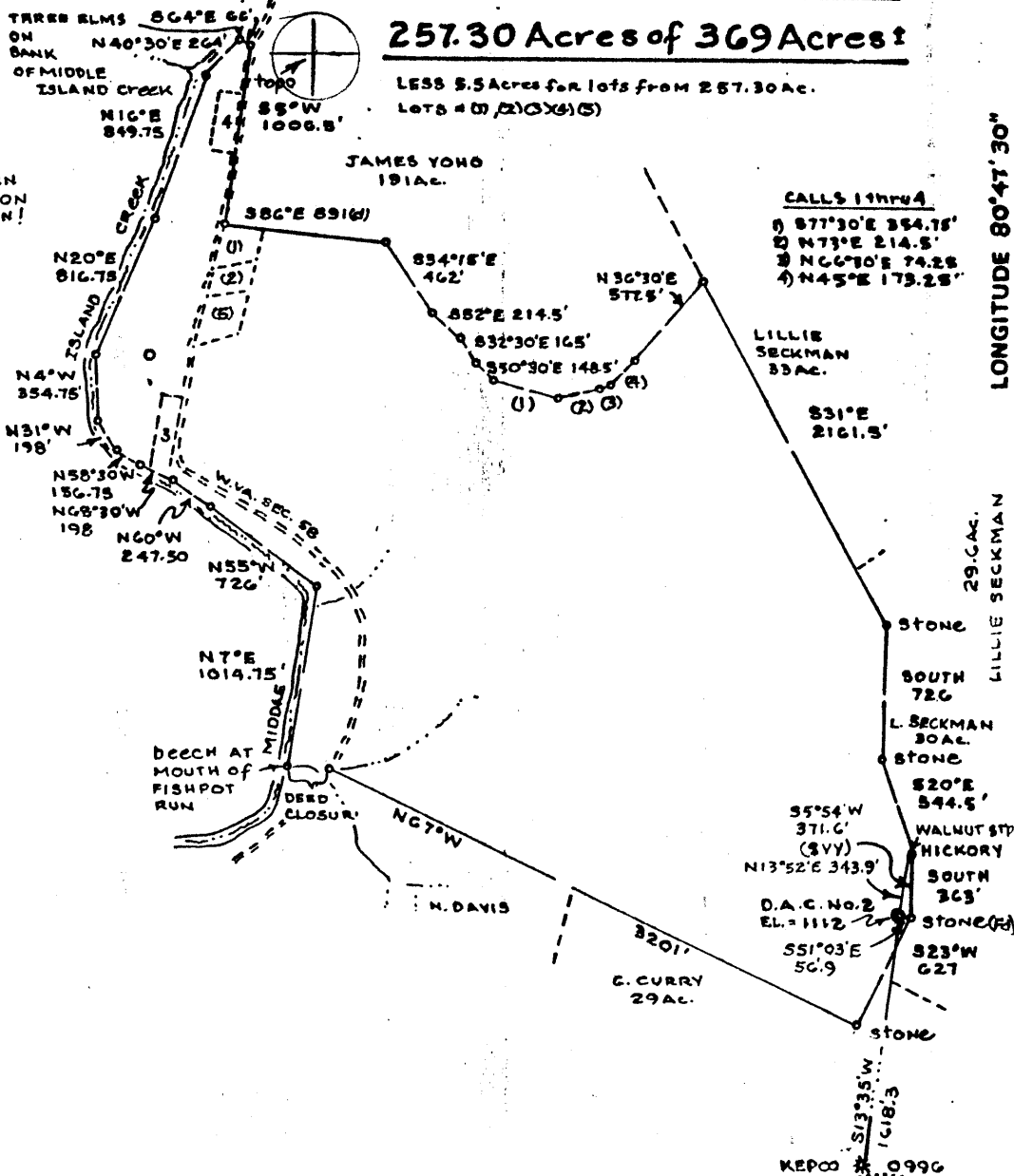
LATITUDE 39° 25'00"

LILLIE SECKMAN LEASE

257.30 Acres of 369 Acres

LESS 5.5 Acres for lots from 257.30 ac.
Lots # (1) (2) (3) (4) (5)

NOTE: NO WELLS WITHIN 2400' OF LOCATION OTHERWISE SHOWN!



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 3000'
N.W. FROM LOC. ELEV = 1118

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 SEPTEMBER 15, 1988
 OPERATOR'S WELL NO. SECKMAN NO. 2
 API WELL NO. _____
47 - 095 - 1261
 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 1112 WATER SHED MIDDLE ISLAND CREEK
 DISTRICT MC ELROY 5 COUNTY TYLER
 QUADRANGLE SHIRLEY 607 1336 West Union EC
 SURFACE OWNER LILLIE SECKMAN ACREAGE 251.8 of 257.30
 OIL & GAS ROYALTY OWNER LILLIE SECKMAN, et al LEASE ACREAGE 369 total
 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 BENSON-RILEY ESTIMATED DEPTH 5500±
 WELL OPERATOR O.A.G. DESIGNATED AGENT MR. KENNETH MASON
 ADDRESS P.O. 804 99 ADDRESS P.O. 804 99
ALMA, W.VA 26320 280 ALMA, W.VA 26320

SEP 23 1988

b-l wilbur (92)

State West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SECKMAN, LILLIE MRS. Operator Well No.: SECKMAN 2

LOCATION: Elevation: 1112.00 Quadrangle: SHIRLEY

District: MCELROY County: TYLER
Latitude: 2370 Feet South of 39 Deg. 25Min. 0 Sec.
Longitude 7810 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: DRILLING APPALACHIAN CORP
P. O. BOX 99
ALMA, WV

Agent: KENNETH R. MASON

Inspector: GLEN P. ROBINSON
Permit Issued: 09/19/88
Well work Commenced: 09-23-88
Well work Completed: 10-6-88

Verbal Fluggins
Permission granted on: _____
Rotary XXX Cable _____ Ris
Total Depth (feet) 5292
Fresh water depths (ft) _____
Salt water depths (ft) 1901

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 169-179' 303-315'

Casings & Tubing Size	Used in Drillings	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	1243	1229	260 sks
4 1/2	5292	5184	200 sks

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DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

OPEN FLOW DATA

Producing formation Benson Pay zone depth (ft) 5128
Gas: Initial open flow trace MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 196 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 1500 psig (surface pressure) after 72 Hours

Second producing formation Riley Pay zone depth (ft) 4703
Gas: Initial open flow trace 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 pressure) after _____ Hours

Riley and Benson commingled open flows and rock pressures
taken together

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: DRILLING APPALACHIAN CORP.

By: Kenny Mason

Date: 11/8/88

Kenny Mason

NOV 13 1988

Drillers log as follows

		<i>of</i>	
sd sh	0	15	
rr	15	25	
sd sh	25	169	
coal	169	179	
sh	179	301	
coal	301	315	
sh sd	315	1873	damp 782'
rr	1873	1901	1 3/4 stream 1901'
sd sh	1901	2002	
b Lime	2002	2160	
sd	2160	2250	
sd sh	2250	<u>5292</u>	<u>TD</u>

Electric log tops ✓

Big Lime	2001
Weir	2399
Berea	2600
Benson	5111

Frac treating details

Perforations	<u>5128-5132</u> <i>Benson</i>
Fluid	420 bbls
Avg rate	23.6
Avg psi	2889

Perforations	<u>4703-4733</u> <i>Riley</i>
fluid	220 bbls
Avg rate	19bbls/min
Avg psi	2773

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DEPARTMENT OF ENERGY

NOV 18 1988

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095-1261

ORIGINAL

~~COPY~~

Issued 9/19/88 Expires 9/19/89
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FORM WW-2B

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

14425 5 606

- 1) Well Operator: Drilling Appalachian Corporation
- 2) Operator's Well Number: Seckman #2 3) Elevation: 1,112'
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Benson/Riley
- 6) Proposed Total Depth: 5300± feet
- 7) Approximate fresh water strata depths: 150, 225'
- 8) Approximate salt water depths: 1900±
- 9) Approximate coal seam depths: ---
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill; perforate; stimulate new formation
- 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	11-3/4"	H-40	27#	30'	0'	CTS
Fresh Water						
Coal						38CSR18-11.3
Intermediate	8-5/8"	J-55	23#	300'	300'	CTS Neat CTS Neat
	8-5/8"	J-55	20#	912'	912'	
Production	4-1/2"	J-55	10½#	5,200'	5,200'	38CSR18-11.1
Tubing						
Liners						

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PACKERS : Kind _____
Sizes _____
Depths set _____

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond 57 Blanket Agent

(Type)

7727

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- 1) Date: September 15, 1988
- 2) Operator's well number
Seckman #2
- 3) API Well No: 47 - 095 - 1261
State - County - Permit

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY
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 Mrs. Lillie Seckman
Address Alma, WV 26320
 - (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 Glen Robinson
Address Rt. 1, No. 6 Pt. Pleasant
Mineral Wells, WV 26150
Telephone (304)- 469-9162

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 5 on the above named parties, by:

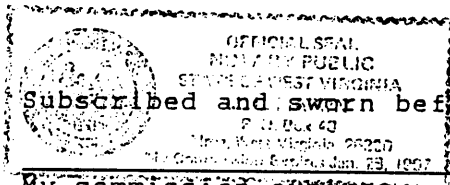
- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

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: *Kenneth R. Mason*
 Its: President
 Address PO Box 99
Alma WV 26320-0099
 Telephone 304-758-4638



Subscribed and sworn before me this 15th day of Sept., 19 88
Kenneth R. Mason Notary Public
 My commission expires Jan. 28, 1997