

Janie 6/10/88

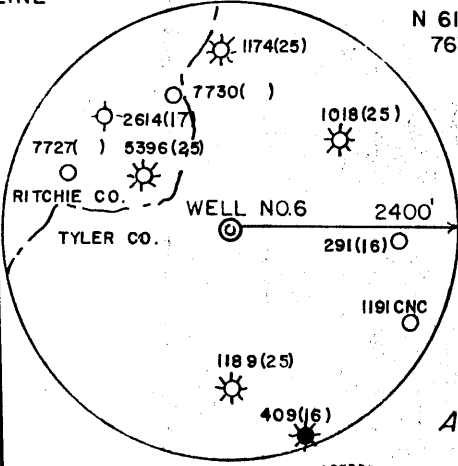
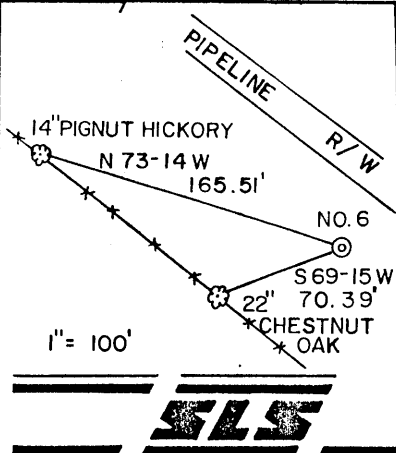
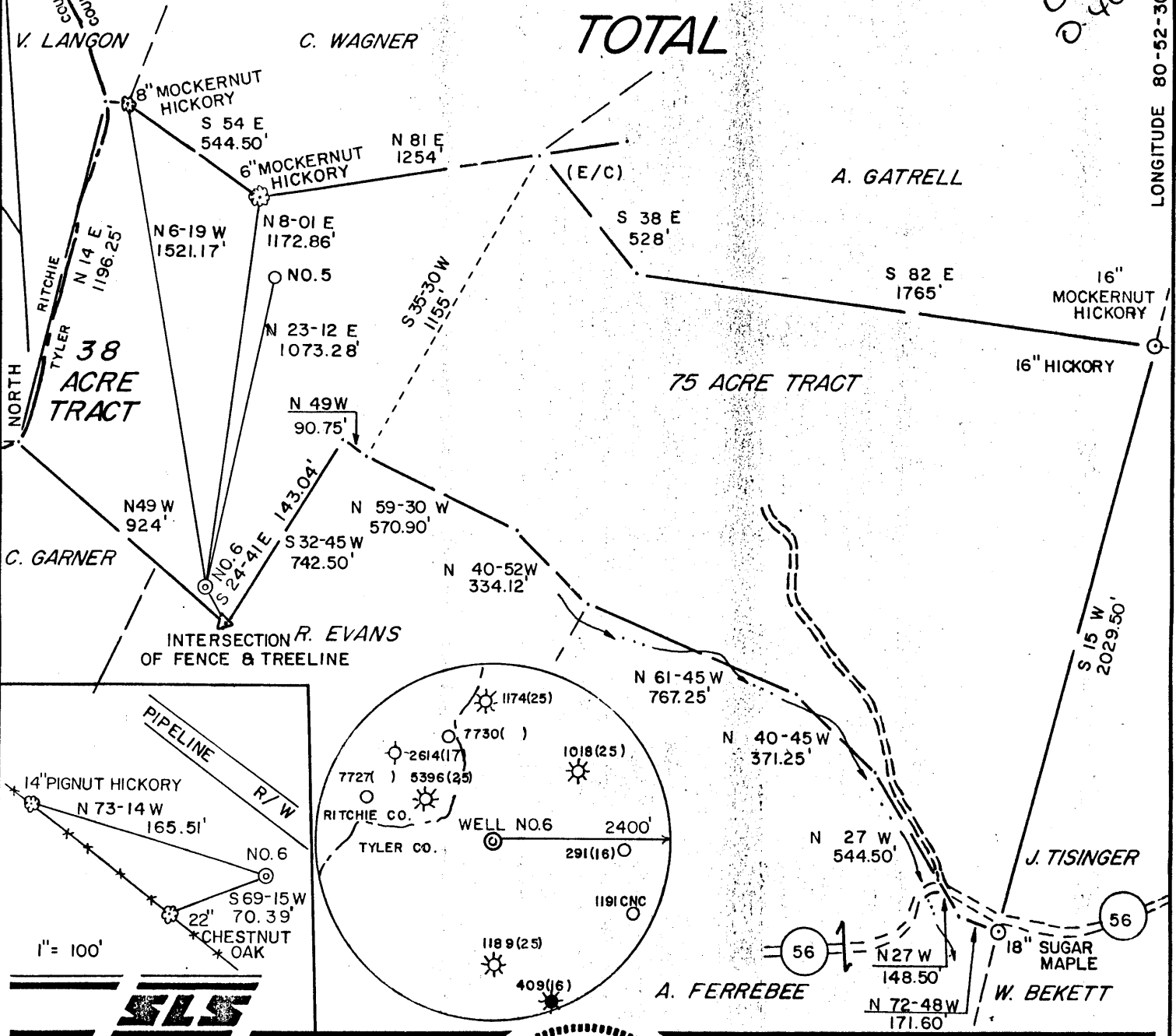
LATITUDE 39-20-00

2220'

LATON KINNEY LEASE

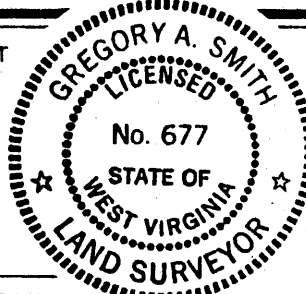
113 ACRES TOTAL

WELL NO. 6
0.245
0.264
0.402



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 ENERGY.

L.L.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MAY, 19 19, 19 88
 OPERATORS WELL NO. KINNEY NO. 6
 API WELL NO. 47 - 095 - 1244
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 1810 (25-10)
 PROVEN SOURCE OF ELEVATION TOP OF KNOB SCALE 1" = 500'
 ELEV. 1185'

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

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

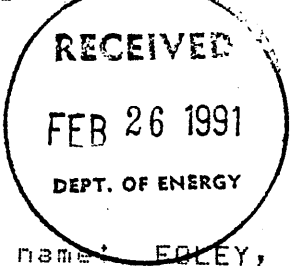
LOCATION: ELEVATION 1171' WATERSHED SHORT RUN DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.5' 539

SURFACE OWNER RICHARD FOLEY ACREAGE 113 COUNTY NAME West Union SC
 ROYALTY OWNER FLORENCE BROOKS et al. LEASE ACREAGE 113

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5990'

WELL OPERATOR APPALACHIAN ENERGY DEVELOPMENT, INC. DESIGNATED AGENT GEORGE WILLIAMS
 ADDRESS RT. 2, BOX 499 GRAFTON, WV 26354 ADDRESS RT. 2, BOX 499 GRAFTON, WV 26354



State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: FOLEY, RICHARD & GAIL Operator Well No.: KINNEY 6

LOCATION: Elevation: 1171.00 Quadrangle: PENNSBORO

District: CENTERVILLE County: TYLER
Latitude: 1380 Feet South of 39 Des. 20Min. 0 Sec.
Longitude: 2220 Feet West of 80 Des. 52 Min. 30 Sec.

Company: APPALACHIAN ENERGY DEVELO
P. O. BOX 902
BELINGTON, WV

Asent: GEORGE WILLIAMS

Inspector: ROBERT LOWTHER
Permit Issued: 06/10/88
Well work Commenced: 3/24/90
Well work Completed: 7/3/90
Verbal Plussins _____
Permission granted on: _____
Rotary XX Cable _____ Ris _____
Total Depth (feet) 3150'
Fresh water depths (ft) 769'
Salt water depths (ft) 1544'
Is coal being mined in area (Y/N)? N
Coal Depths (ft): _____

Casings & Tubing Size	Used in Drilling	Left in Well	Cement Fill Cu. Ft.
10'	30	0	0
8 5/8"	1690	1690	surface
4 1/2"	2920	2920	155sks

OPEN FLOW DATA

Producing formation Gordon-Berea-Weir-5thsand Pay zone depth (ft) 2990
 Gas: Initial open flow 85 MCF/d Oil: Initial open flow 0 Bbl/d
 Final open flow 660 MCF/d Final open flow 0 Bbl/d
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure 1695 psig (surface pressure) after 48 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
 Time of open flow between initial and final tests _____ Hours
 Static rock Pressure _____ psig (surface pressure) after _____ Hours

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.

Appalachian Energy Dev Inc.
For: APPALACHIAN ENERGY DEVELOPMENT, INC.
By: George Williams
Date: Jan 14, 1991

First Stage

Perforated w/10 holes .39 entry from 2997-3100'. Fractured with 500 gal. 15% acid. 483 BBls water, 300 sks 20/40 sand 84,000 scf N2.

Second Stage

Perforated with 14 holes .39" entry from 2506-2836'. Fractured with 500 gal 15% acid. 373 BBLs water, 250 sks 20/40 sand 65,000 scf N2.

Third Stage

Perforated with 10 holes 39" entry from 2404-2434. Fractured with 500 gal. 15% acid 467 BBLs water. 300 sks 20/40 sand 97,000 scf N2.

Fourth Stage

Perforated with 10 holes .39" entry from 2154-2177. Fractured with 500 gal. 15% acid 497 BBLs water. 300 sks 20/40 sand 86,000 scf N2.

Sand & shale	0	464
Red rock	564	594
Sand & shale	594	2006
Big lime	2006	2074
Big Injun	2074	2183
Sand & shale	2183	2350
Weir	2400	2510
Sand & shale	2510	2572
Berea	2572	2590
Sand & shale	2590	2992
Gordon	2992	3008
Fifth Sand	3008	3105
Sand & shale	3105	3150
Total Depth	3150	

6/11

Issued 6/10/88
Expires 6/10/90

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

- 1) Well Operator: ³⁴⁷ Appalachian Energy Development, Inc. 2325, 1,538
- 2) Operator's Well Number: Kinney No. 6 3) Elevation: 1171'
- 4) Well type: (a) Oil or Gas
 (b) If Gas: Production Underground Storage
 Deep Shallow
- 5) Proposed Target Formation(s): Alexander 439
- 6) Proposed Total Depth: 5990 feet
- 7) Approximate fresh water strata depths: 150'
- 8) Approximate salt water depths: N/A
- 9) Approximate coal seam depths: N/A
- 10) Does land contain coal seams tributary to active mine? Yes No
- 11) Proposed Well Work: Drill & Stimulate
- 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			30'	0'	0 Sks.
Fresh Water	8 5/8			1746'	1746'	CTS or 38 CSR 18-11.3
Coal						
Intermediate						
Production	4 1/2			5990'	5990'	CTS or 38 CSR 18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

RECEIVED
 JUN 02 1988

For Division of Oil and Gas Use Only
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

1149 1360
 16
 Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond 50 Blanket Agent
 (Type)

RECEIVED
JUN 02 1988

Date: May 20, 1988
Operator's well number Kinney No. 6
API Well No: 47 - 095 - 1244
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 Richard C. & Gail A. Foley
Address Rt. 2, Box 70-B
Greenwood, WV 26360
(b) Name _____
Address _____
(c) Name _____
Address _____
6) Inspector Robert Lowther
Address General Delivery
Middlebourne, WV 26149
Telephone (304) - 758 - 4764

5) (a) Coal Operator:
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name N/A
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____

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 10 on the above named parties, by:
X 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 Appalachian Energy Development, Inc.
By: x [Signature] President
Its: Rt. 2, Box 499
Address Grafton, WV 26354
(304) 265 - 4147
Telephone _____

Subscribed and sworn before me this 20th day of May, 1988

Gregory A. Smith Notary Public
My commission expires 12/7/92