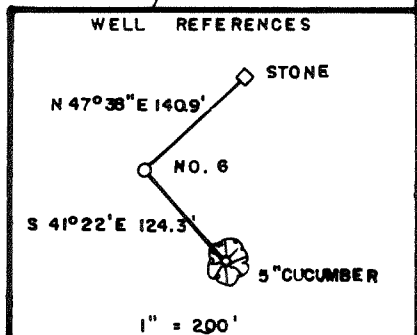
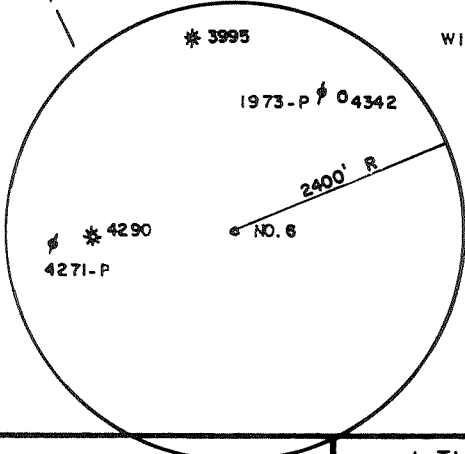
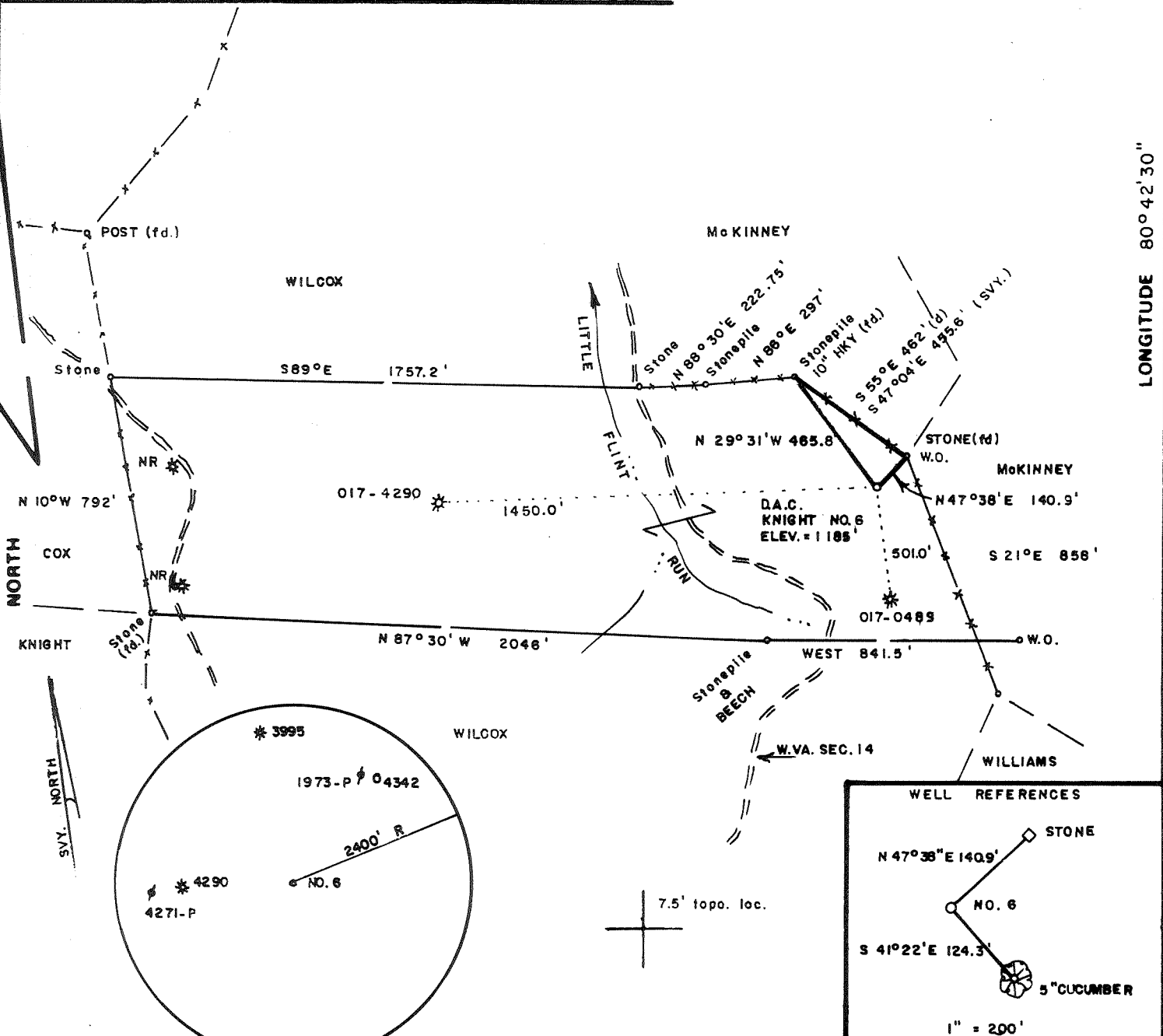


J.B. KNIGHT LEASE 54.75 AC.

LATITUDE 39°22'30"

6890' W

LONGITUDE 80°42'30"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB (McIntyre) NORTH OF LEASE ELEV. = 1426'

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

MARK C. ECHARD
 LICENSED SURVEYOR
 NO. 490
 STATE OF WEST VIRGINIA
 LAND SURVEYOR
 PLACE SEAL HERE

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



DATE MARCH 17, 1997
 OPERATOR'S WELL NO. KNIGHT NO. 6
 API WELL NO. 47-017-04372
 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 1185' WATER SHED LITTLE FLINT RUN
 DISTRICT GRANT COUNTY DODDRIDGE
 QUADRANGLE SMITHBURG 7.5'
 SURFACE OWNER JENNY WILCOX ACREAGE 54.75
 OIL & GAS ROYALTY OWNER SCRIPPS, et al LEASE ACREAGE 54.75
 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 ESTIMATED DEPTH 5500
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P.O. BOX 99 ALMA, WV 26320 ADDRESS P.O. BOX 99 ALMA, WV 26320

BIAS BLUEPRINT Huntington, W.V. 578538

0000 4372

2-2-98 Ches

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Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm Name: Wilcox, Virginia
Location: Elevation: 1185'
District: Grant
Latitude: 13220 Feet South of
Longitude: 6890 Feet West of

Operators Well No.: Knight #6
Quadrangle: Smithburg
County: Doddridge
39 Deg. 22min. 30sec.
80 Deg. 42 min. 30sec.

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

Agent: Kenneth Mason

Inspector: Mike Underwood
Permit Issued: 06/05/97
Well Work Commenced: 06/09/97
Well Work Completed: 06/16/97
Rotary X Cable Rig
Total Depth (feet) 5330'
Fresh Water Depths (ft) 79'
Salt Water Depths (ft) NA
Is coal being mined in area (Y/N) N
Coal Depths (ft): none

casing tubing	used in drilling	left in well	cement fill up sks
11 3/4	150	128	70
8 5/8	1720	1674	400
4 1/2	5330	5272	430

OPEN FLOW DATA

Producing formation Benson, Riley Pay zone depth (ft) 4712-5188
Gas: Initial open flow 60 MCF/D Oil: Initial open flow 0 BBL/D
Final open flow MCF/D Final open Flow show BBL/D
Static Rock Pressure 1150 psig (surface pressure) after 48 Hours

Second producing formation Riley, Speechley Pay zone depth (ft) 3602-3650
Gas: Initial open flow smell MCF/D Oil: Initial open flow 0 BBL/D
Final open flow * MCF/D Final open flow 0 BBL/D
static rock pressure * psig (surface pressure) after * Hours

* commingled with Benson

For: Drilling Appalachian Corp.

By: Kenneth Mason

Date: 07-10-97

OCT 1 1997
OCT 1 1997

Stage	Formation	Perfs	Sand	N2
06-20-97	Knight #6,	47-017-4372		
1	Benson	4710-5174 16 holes	300 sks	277,000 scf
2	Riley	3590-3638 16 holes	300 sks	346,000 scf

ISIP = 2809#
5 min = 2407#

Drillers Log

Formation	Top	Bottom	
fill	0	5	
Sd/Sh	5	305	
Sd	305	315	hole damp @ 85
Sd/Sh	315	545	
Sh	545	910	
Sd	910	925	
Sd/Sh	925	1610	
Sd	1610	1720	
Sd/Sh	1720	2030	
Lime	2030	2055	
Sh	2055	2085	
Lime	2085	2135	
Sd	2135	2220	
Sh	2220	2850	
Sd	2850	2890	
Sh	2890	5180	
Sd	5180	5190	
Sh	5190	5330	gas ck @ Td. smell gas

Electric Log Tops

Formation	Depth top
Big Lime	2086
Big Injun	2188
Berea	2634
Gordon	2858
Benson	5170

007 1 = 1997

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: DRILLING APPALACHIAN CORPORATION 14425 (3) 611
- Operator's Well Number: KNIGHT #6 3) Elevation: 1185
- Well type: (a) Oil x/ or Gas x/ *Issued 06/05/97*
 (b) If Gas: Production x/ Undergound Storage / *Expires 06/05/99*
 Deep / Shallow x/
- Proposed Target Formation(s): Benson 435
- Proposed Total Depth: 5,500± 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 x /
- 11) Proposed Well Work: Drill, perforate, stimulate new formation
- 12)

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CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS		Weight per ft.	FOOTAGE INTERVALS For drilling	Left in well	CEMENT Fill-up (cu. ft.)
	Size	Grade				
Conductor	11-3/4"			120'	120'	55 sacks- class A
Fresh Water						<i>OK with</i>
Coal						
Intermediate	8-5/8"	J-55	20# 23#	900' 800'	900' 800'	38CSR18-11.3 38CSR18-11.2.2
Production	4-1/2"	J-55	10 1/2#	5,325'	5,325'	38CSR18-11.1
Tubing						
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

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

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

11/984
11/10

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MAY 27 1997

- 1) Date: May 27, 1997
- 2) Operator's well number
Knight #6
- 3) API Well No: 47 - 017 - 4372
State - County - Permit

Permitting
Office of Oil & Gas

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 Virginia Wilcox
Address RD 1, Box 13A
New Cumberland, WV 26047
 - (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 Rte 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.



OFFICIAL SEAL
Notary Public, State of West Virginia
BETTY FLETCHER
P.O. Box 11
Alma, WV 26320
My commission expires February 13, 2001

Well Operator DRILLING APPALACHIAN CORPORATION
 By: [Signature]
 Its: PRESIDENT
 Address P.O. BOX 99
ALMA WV 26320
 Telephone 304-758-4638

Subscribed and sworn before me this 27th day of May, 1997

[Signature] Notary Public
 My commission expires February 13, 2001