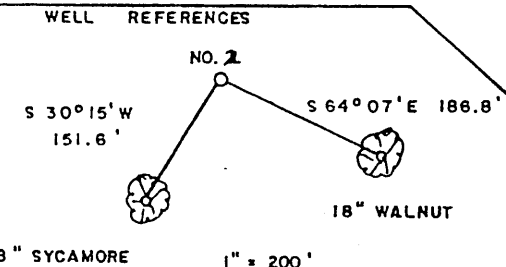
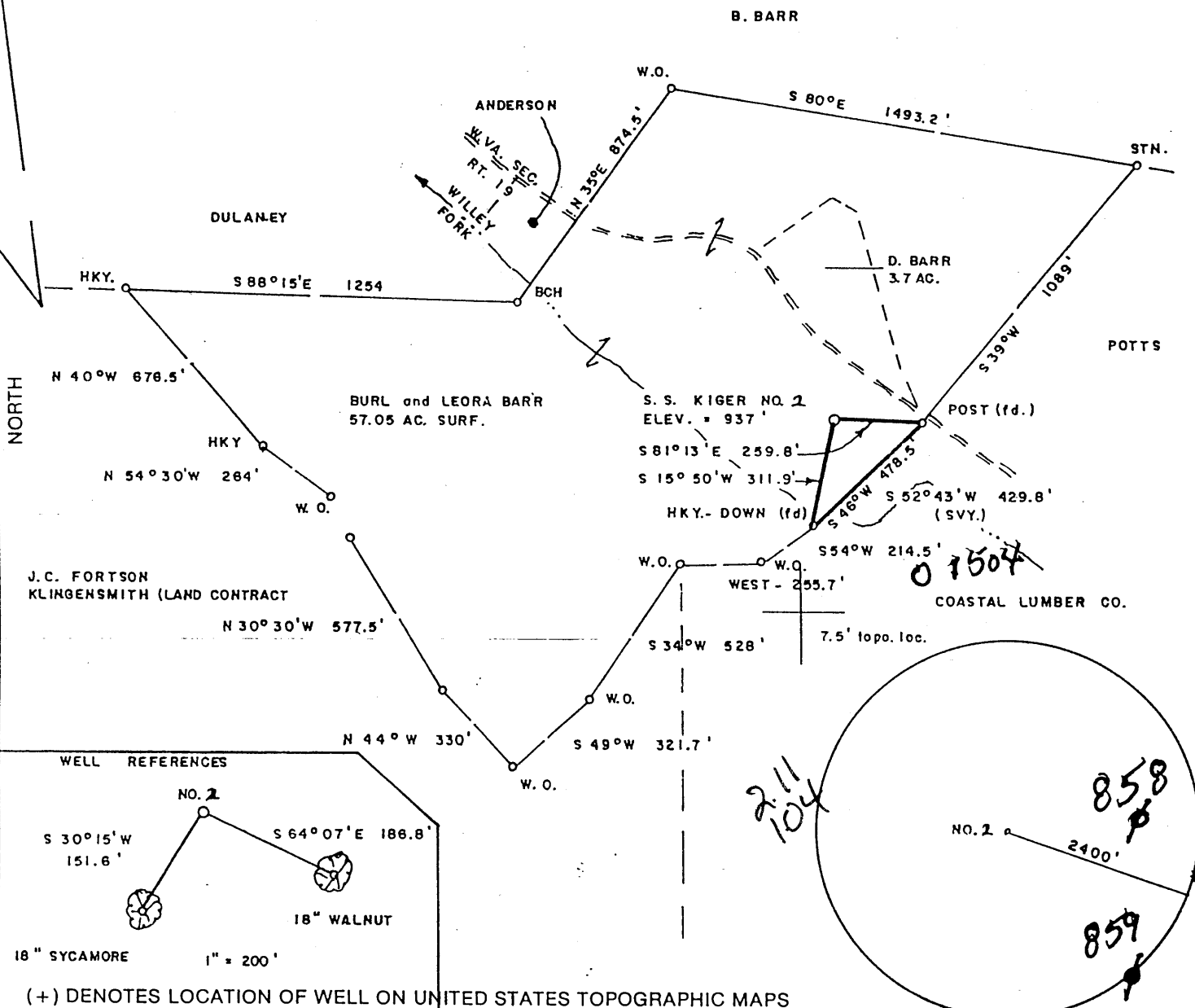


S.S. KIGER LEASE 60.75 AC.

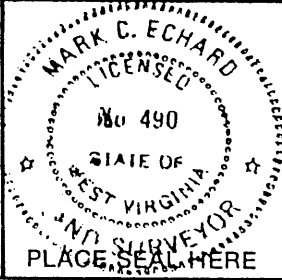
S 021' 11"
00 06 08 LONGITUDE



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B. M. EAST OF LEASE
 ELEV. = 951

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.
 (SIGNED) Mark C. Echard
 R.P.E. _____ L.L.S. NO. 490



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS



DATE MAY 24, 19 99
 OPERATOR'S WELL NO. KIGER NO. 2
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 937' WATERSHED WILLEY FORK
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'
 SURFACE OWNER BURL and LEORA BARR ACREAGE 57.05
 OIL & GAS ROYALTY OWNER S. S. KIGER HEIRS, et al LEASE ACREAGE 60.75
 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 BIG INJUN ESTIMATED DEPTH 2500'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON
 ADDRESS P. Q. BOX 99 ADDRESS P.O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

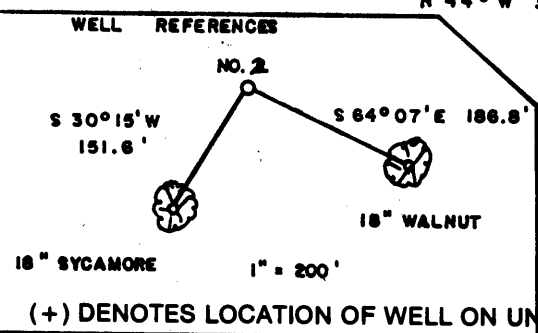
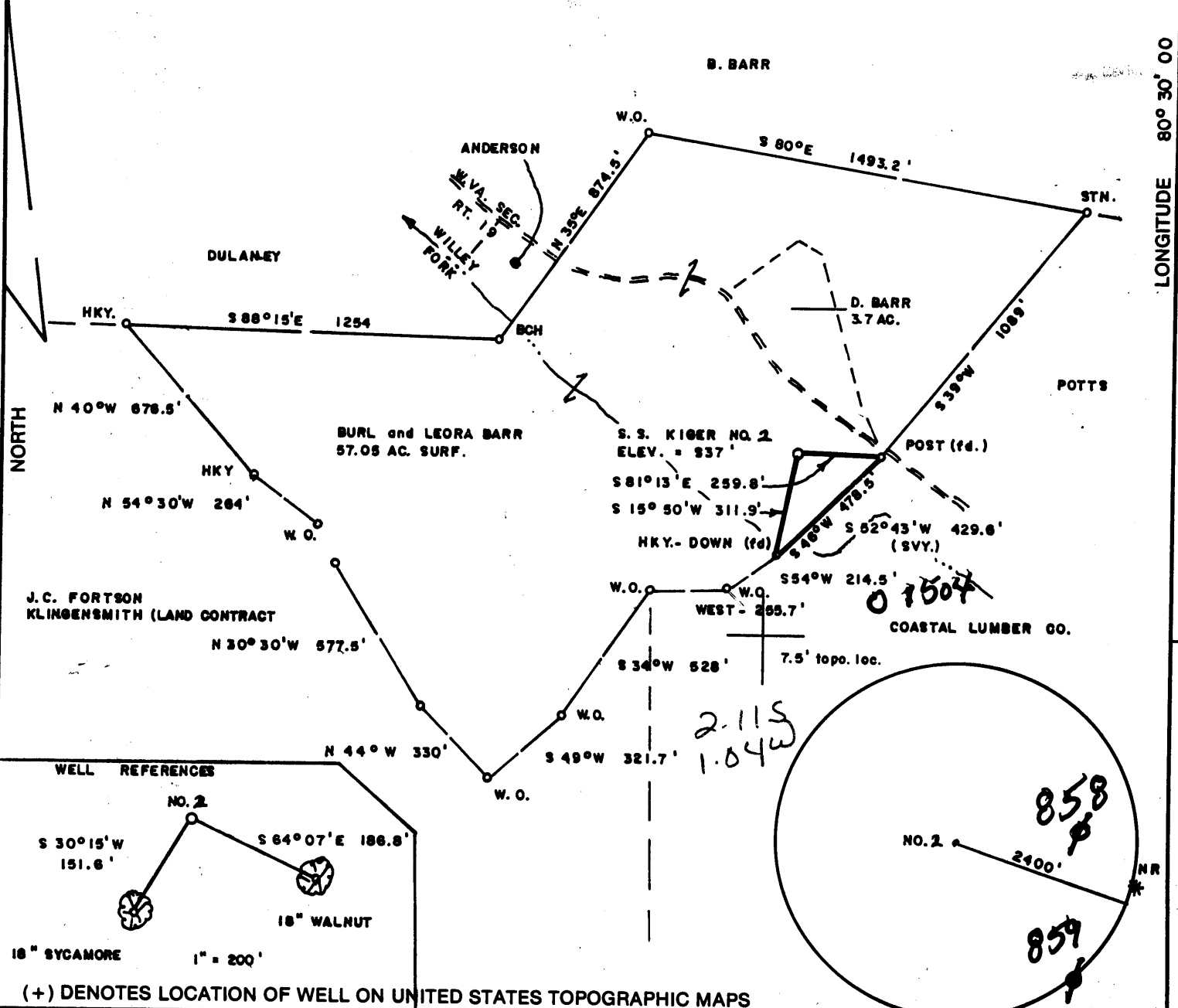
COUNTY NAME WET
PERMIT 1784 D

MAY 19 2000

5490' W

LATITUDE 39°37'30"

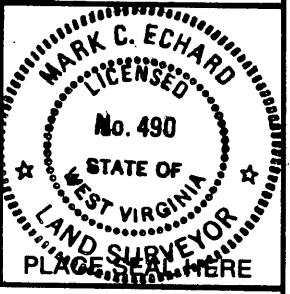
S.S. KIGER LEASE 60.75 AC.



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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION B. M. EAST OF LEASE
 ELEV. = 951

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.
 (SIGNED) Mark C. Echard
 R.P.E. _____ L.L.S. NO. 490



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE MAY 24, 19 99
 OPERATOR'S WELL NO. KIGER NO. 2
 API WELL NO. 47-103-01784
 STATE WV COUNTY WETZEL PERMIT 1784

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

LOCATION: ELEVATION 937' WATERSHED WILLEY FORK
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE BIG RUN 7.5'

SURFACE OWNER BURL and LEORA BARR ACREAGE 57.05
 OIL & GAS ROYALTY OWNER S. S. KIGER HEIRS, et al LEASE ACREAGE 60.75
 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) G-6 4B

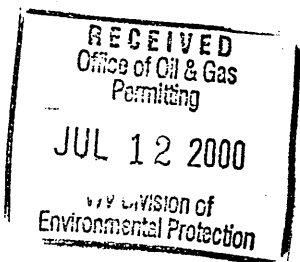
PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Big Run ESTIMATED DEPTH 2500'
 WELL OPERATOR D.A.C. DESIGNATED AGENT KENNETH MASON JUN 22 1999
 ADDRESS P. O. BOX 99 ADDRESS P. O. BOX 99
ALMA, WV 26320 ALMA, WV 26320

FORM WW-6

S. 021.11 00.0E.08 EADITNONT LONGITUDE 1784 PERMIT COUNTY NAME WET

WR-35

API# -47-103-01784



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

Reviewed _____

Well Operator's Report of Well Work

Farm Name: Barr
 Location: Elevation: 937'
 District: Grant
 Latitude: 11120 Feet South of
 Longitude: 5490 Feet West of

Operators Well No.: Kiger #2
 Quadrangle: Big Run 7.5'
 County: Wetzel
 39 Deg. 37 min. 30sec.
 80 Deg. 30 min. 00sec.

Company: D.A.C.
 P. O. 99
 Alma WV 26320

casing	used in	left	cement
tubing	drilling	in well	fill up sks

Agent: Kenneth Mason

09 5/8	120	120	existing
6 5/8	1642	1642	existing
4 1/2	2214	2214	existing
2 7/8	3307	3165	50 sks

Inspector: Randall Mick
 Permit Issued: 05/16/00
 Well Work Commenced: 05/22/00
 Well Work Completed: 05/26/00
 Rotary X Cable _____ Rig
 Total Depth (feet) 3307'
 Fresh Water Depths (ft) N/A'
 Salt Water Depths (ft) N/A'
 Is coal being mined in area (Y/N) N
 Coal Depths (ft): N/A'

OPEN FLOW DATA

Producing formation <u>Gordon</u>	Pay zone depth (ft) <u>2684-2752</u>
Gas: Initial open flow <u>tstm</u> MCF/D	Oil: Initial open flow <u>0</u> BBL/D
Final open flow _____ MCF/D	Final open Flow <u>show</u> BBL/D
Static Rock Pressure _____	psig (surface pressure) after <u>48</u> Hours

Second producing formation <u>Bayard</u>	Pay zone depth (ft) <u>2828-2848</u>
Gas: Initial open flow <u>*</u> MCF/D	Oil: Initial open flow <u>0</u> BBL/D
Final open flow <u>*</u> MCF/D	Final open flow <u>0</u> BBL/D
static rock pressure <u>*</u>	psig (surface pressure) after <u>*</u> Hours

* = commingled zones

For: D.A.C.

By: Kenneth Mason

Date: 06-20-00

AUG 04 2000

WET 1784

Stage	Formation	Perfs	Sand	N2
06-01-00	Kiger #2			
1	Gordon 4th	2690-2937 18 holes	350 sks	115,000 scf

ISIP = 2350#
5 min = 2341#

Drillers Log

Formation Top Bottom
See original WR 35 for drillers record
to 2234'

Sh	2234	2586	
Sd	2586	2610	
Sd/Sh	2610	2700	gas ck @ 2800 = tstm
Sd	2700	2790	gas ck @ Td = tstm
Sd/Sh	2790	3307	
Td	3307		

Electric Log Tops

<u>Formation</u>	<u>Depth top</u>
Berea	2236
Gordon	3186

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

AD

Well Operator's Report of Well Work

Farm Name:	Barr, Burl	Operators	Well No.:	Kiger # 2
Location:	Elevation: 937'	Quadrangle:	Big Run 7.5'	
	District: Grant	County:	Wetzel	
	Latitude: 11120 Feet South of		39 Deg. 37 min. 30sec.	
	Longitude: 5490 Feet West of		80 Deg. 30 min. 00sec.	

Company: D.A.C.

P. O. 99	casing	used in	left	cement
Alma, WV 26320	tubing	drilling	in well	fill up sks

Agent: Kenneth Mason

9 5/8 235 205 116

Inspector: Randall Mick

Permit Issued: 05/14/99 6 5/8 1475 1432 150

Well Work Commenced: 07/29/99

Well Work Completed: 08/02/99 4 1/2 2364 2203 110

Rotary X Cable _____ Rig

Total Depth (feet) 2364'

Fresh Water Depths (ft) 73'

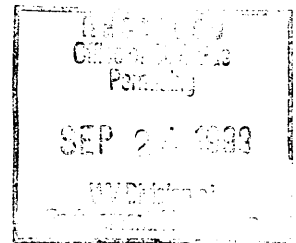
Salt Water Depths (ft) N/A

Is coal being mined in area (Y/N) N

Coal Depths (ft): N/A'

OPEN FLOW DATA

Producing formation <u>Big Injun</u>	Pay zone depth (ft) <u>1968-2080</u>
Gas: Initial open flow <u>NS</u> MCF/D	Oil: Initial open flow <u>0</u> BBL/D
Final open flow <u>291</u> MCF/D	Final open Flow <u>show</u> BBL/D
Static Rock Pressure <u>120</u>	psig (surface pressure) after <u>48</u> Hours



Second producing formation _____	Pay zone depth (ft) _____
Gas: Initial open flow _____* 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

For: D.A.C.

By: Kenneth L. Mason

Date: 09-20-99

SEP 27 1999

WET 1784

Stage	Formation	Perfs	Sand	N2
07-06-98	Kiger #2			
1	Big Injun	1948-2080 16 holes	300 sks	281,000 scf

ISIP = 2446#
5 min = 2101#

Drillers Log

Formation	Top	Bottom	
Fill	0	10	
Ss/Sh	10	143	2" @ 73'
Coal	143	146	
Sd/Sh	146	678	
RR	678	700	
Sh/Sh	700	796	
RR	796	948	
Sd/Sh	948	1014	damp @ 1530'
Coal	1014	1016	
Sd/Sh	1016	1800	
LL	1800	1834	
Sh	1835	1855	
BL	1855	1950	1919' N/S
Sd/Sh	1950	2130	2009' N/S
Sd/Sh	1990	2025	2169' N/S
Sd	2025	2050	
Sd/Sh	2050	2364	
TD	2364		

Electric Log Tops

Formation	Depth top
Big Lime	1868
Big Injun	1944

