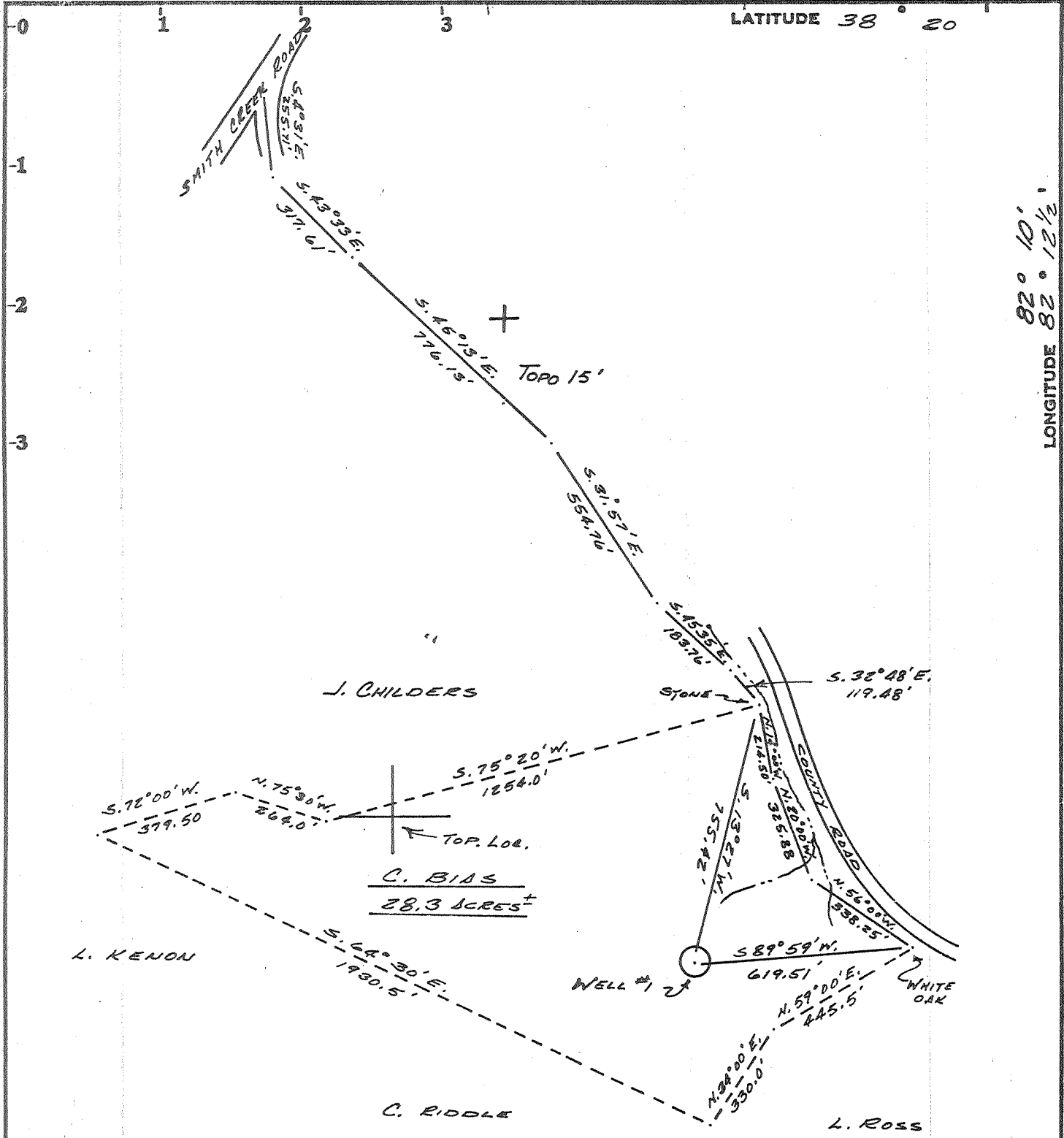


7,2,75 E

LATITUDE 38° 20'

LONGITUDE 82° 10' 12 1/2'



Minimum Error of Closure 1:250

Source of Elevation

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Signed: Joseph F. Sisler
 Squares: N S E W

Company Alfred E. Knobler
 Address P.O. Box 270, W. Hamlin, WV 25571
 Farm CLELLAN BIAS
 Tract _____ Acres 28 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 739.2
 Quadrangle WEST HAMLIN (7 1/2 MIN) QUAD.
 County CABELL District McCOMAS
 Surveyor JOSEPH F. SISLER
 Surveyor's Registration No. 1032
 File No. 7529 Drawing No. 1
 Date MAY 30, 1975 Scale 1"=400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. CAB-558 - P

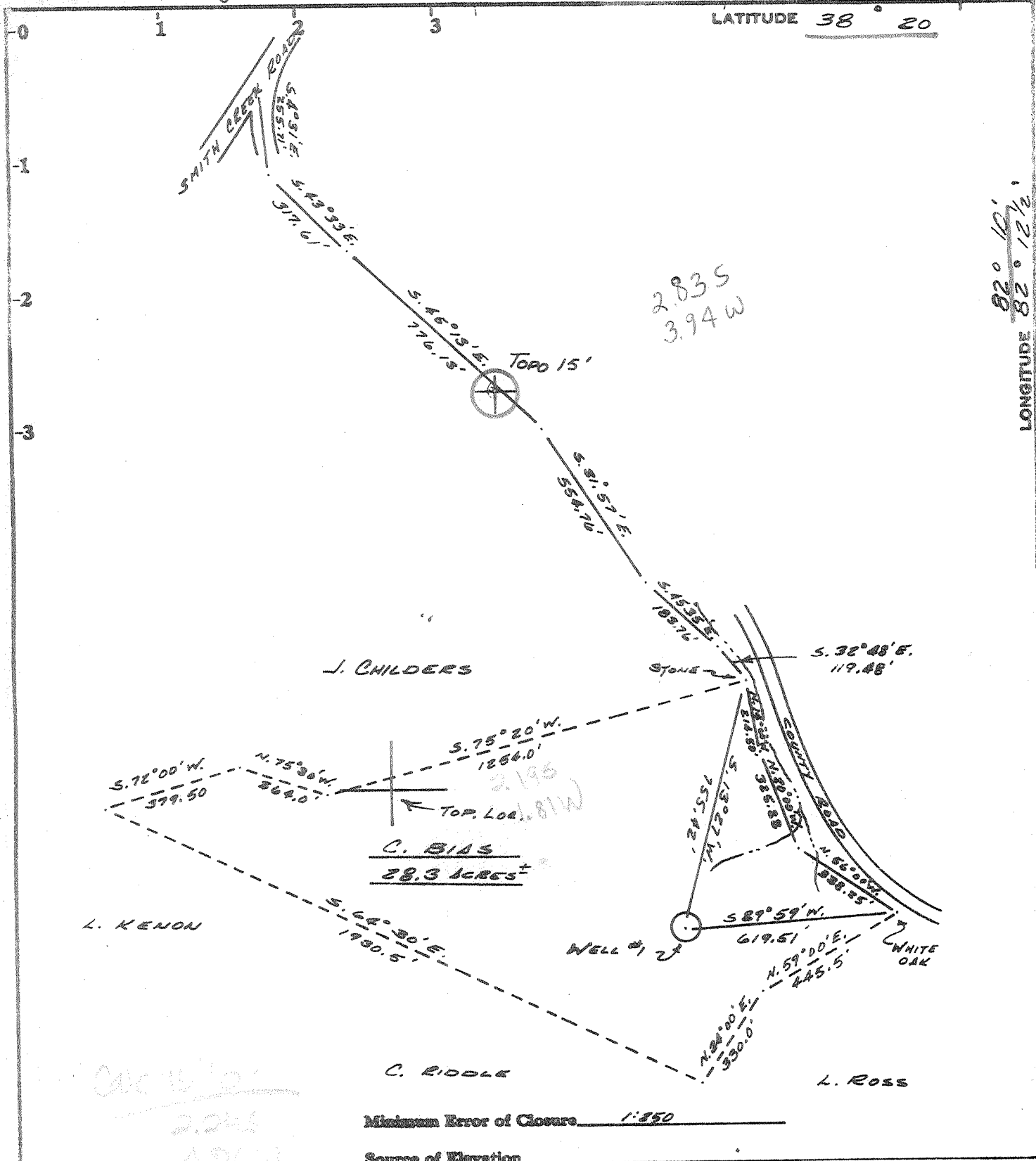
+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-011

APR 06 1977

4700' Childers DEEP WELL



Minimum Error of Closure 1:250

Source of Elevation _____

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: Joseph F. Sisler
 Surveyor: N S E W

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

Map No. _____

Company Dale Adkins Inc.
 Address CEREDD, W.VA.
 Farm CLELLAN BIAS
 Tract _____ Acres 28 Lease No. _____
 Well (Farm) No. 1 Serial No. SW
 Elevation (Spirit Level) 739.2¹⁵ MILTON
 Quadrangle WEST HAMLIN (7 1/2 MIN) QUAD.
 County CABELL District MCCOMBS
 Surveyor JOSEPH F. SISLER
 Surveyor's Registration No. 1032
 File No. 7529 Drawing No. 1
 Date MAY 30, 1975 Scale 1"=400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. CAB-558

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

47-011



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

JUN 24 1976

OFFICE OF THE
DIRECTOR OF MINES

Quadrangle West Hamlin

Permit No. CAB-558

Rotary X Oil _____
Cable _____ Gas X
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Dale Adkins
Address PO Box 5557, Htgn., W. Va.
Farm Clelan Bias Acres 28
Location (waters) Smith Creek
Well No. K#1 Elev. 739.2
District McComas County Cabell
The surface of tract is owned in fee by Clelan Bias
Address Route #1, Salt Rock, W. Va.
Mineral rights are owned by Same
Address _____
Drilling Commenced 7-3-75
Drilling Completed 7-11-75
Initial open flow 700 MCF XXXX bbls.
Final production 300 MCF ft. per day _____ bbls.
Well open 24 hrs. before test 1300# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"	230	230	100 SKS circulated
9 5/8			
8 5/8			
7	1712	1712	60 SKS
5 1/2			
4 1/2			
3			
2	4400	4000	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Plug set @ 4400'/shot with 4200# 80% gelatin

Coal was encountered at none Feet _____ Inches _____
Fresh water 67 Feet _____ Salt Water 120 Feet _____
Producing Sand Gorniferous Depth 3700' to 4400'

(Helderberg-Salina-McKenzie)

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			-0-	5		
Sand & Slate Intervals			5	1000	Water at 67°	3590 4800
Salt Sand			1000	1080	Water at 1,000°	287 747
Sand and Slate			1080	1300		3843 4053
Little Lime			1300	1315		
Slate			1315	1400		
Big Lime			1400	1458		
Injun Sand			1458	1599		
Sand and Slate			1500	1625		
Lime Shell			1625	1700		
Slate and Sand			1700	2100		
Coffee Shale			2100	2110		
Berea			2110	2118	Show of Gas 2110-2118	
Slate and Shells			2118	2550	12 MCF open flow	
Brown Shale			2550	3250	Gas shows @ 2440	
White Shale			3250	3590	Gas shows @ 3150 - Br. Sh.	
Gorniferous			3590	4410	Gas shows @ 3600 Onand	
Slate and Shells			4410	4516	Gas Shows @ 3800 - Hold	
Red Rock			4516	4650	Gas shows @ 3900 } Salina	
Slate and Shells			4650	4800	Gas shows @ 4050	
Clinton - Tusc.			4800	4931	Gas shows @ 4100	
					Gas shows @ 4200 McK or Salina	
					Initial Open Flow: 125 MCF	
					Encountered H2S Gas @ 3590 & increased to 4450. H2S content .05%	

4931
3590
1341 expl. Lt.

(over)

30 grains per MCF Clinton dry.

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 02 1975
OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 2, 1975
Company DALE ADKINS, INC.
Address P.O. Box 5557, Htgn., W. Va. 25703
Farm C. Bias Acres 28
Location (waters) Smith Creek
Well No. 1 (4WV-K) Elevation 739.2
District McComas County Cabell
Quadrangle West Hamlin

Surface Owner C. Bias
Address Rt. #1, Salt Rock, W. Va
Mineral Owner same
Address _____
Coal Owner same
Address _____
Coal Operator coal not operated
Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by 11-2-75.

Robert S. Peadar
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PH: 736-4885 ADDRESS Indianapolis, Ind

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Sept. 24 19 73 by C. Bias made to Exxon Co., U.S.A. and recorded on the _____ day of _____ 19____, in Cabell County, Book 222 Page 288
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, DALE ADKINS, INC.
(Sign Name) [Signature]
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505
AC 304-296-4461

Address
of
Well Operator

P.O. BOX 5557
Street
Htgn.,
City or Town
W. VA.
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BOND DRILL

Cab-558 PERMIT NUMBER
47-011

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clint Hurt & Associates, Inc. NAME Dale Adkins
 ADDRESS P.O. Box 1973, Midland, Texas 79701 ADDRESS P.O. Box 5557, Htgn., W. Va.
 TELEPHONE (915) 683-6381 TELEPHONE (304) 697-5404/(304) 697-5797
 ESTIMATED DEPTH OF COMPLETED WELL: 4700 ft. ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Clinton
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10	250	250	50 sks. (circulated)
9 - 5/8			
8 - 5/8			
7	1700	1700	55 sks. (approx 300 ft.)
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET SALT WATER 1050 FEET
 APPROXIMATE COAL DEPTHS not known
 IS COAL BEING MINED IN THE AREA? no BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title

RECEIVED
MAR 23 1987

FORM WR-38
(Affidavit of Plugging)

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS WELLS DIVISION

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

NONE
Coal Operator or Owner

Alfred E. Knobler
Name of Well Operator
P.O. Box 270, West Hamlin, WV 25571
Complete Address

Address

Bias K-1 19

NONE
Coal Operator or Owner

WELL AND LOCATION

Address

McComas District

Clelan Bias
Lease or Property Owner

Cabell County

Route 1, Salt Rock, WV 25559
Address

WELL NO. K-1

Clelan Bias Farm

STATE INSPECTOR SUPERVISING PLUGGING Jerry Tephabock

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of _____

ss:

Glenda Hall Stewart and William Stewart

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Alfred E. Knobler, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 24 day of July, 19 86, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
<u>TO 4931 - 2780</u>	<u>pumped down 154 BBL bel and 27 BBL Cement to kill well, Tagged top of Cement 2780</u>	<u>2"</u>	<u>4000</u>	<u>0</u>
<u>2780 - 2150</u>	<u>bel</u>			
<u>2150 - 2050</u>	<u>Cement</u>			
<u>2050 - 1760</u>	<u>bel</u>			
<u>1760 - 1660</u>	<u>Cement</u>			
<u>1660 - 1050</u>	<u>bel</u>			
<u>1050 - 1000</u>	<u>Cement pumped down 200 BBL Displaced to 1000 feet (log)</u>	<u>7" Patton Cased well perforated 1050 + 350</u>		<u>1712</u>
<u>1000 - 350</u>	<u>bel</u>			
<u>350 - Surface</u>	<u>Cement - Circulated</u>			
<u>NO Evidence of Surface pipe in well</u>				
Coal Seams	<u>Verbal permission to plug - 72186 John Schusen</u>	Description of Monument <u>pipe 7" 30" Concrete</u>		
(Name)				
(Name)				
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 24 day of July, 19 86.

And further deponents saith not. J. Allen Martin

Sworn to and subscribed before me this 19 day of March, 19 87.
Sharon Davis
Notary Public

My commission expires:
9-6-89

Permit No. 47-011-558-P

ARRR 016: 1987