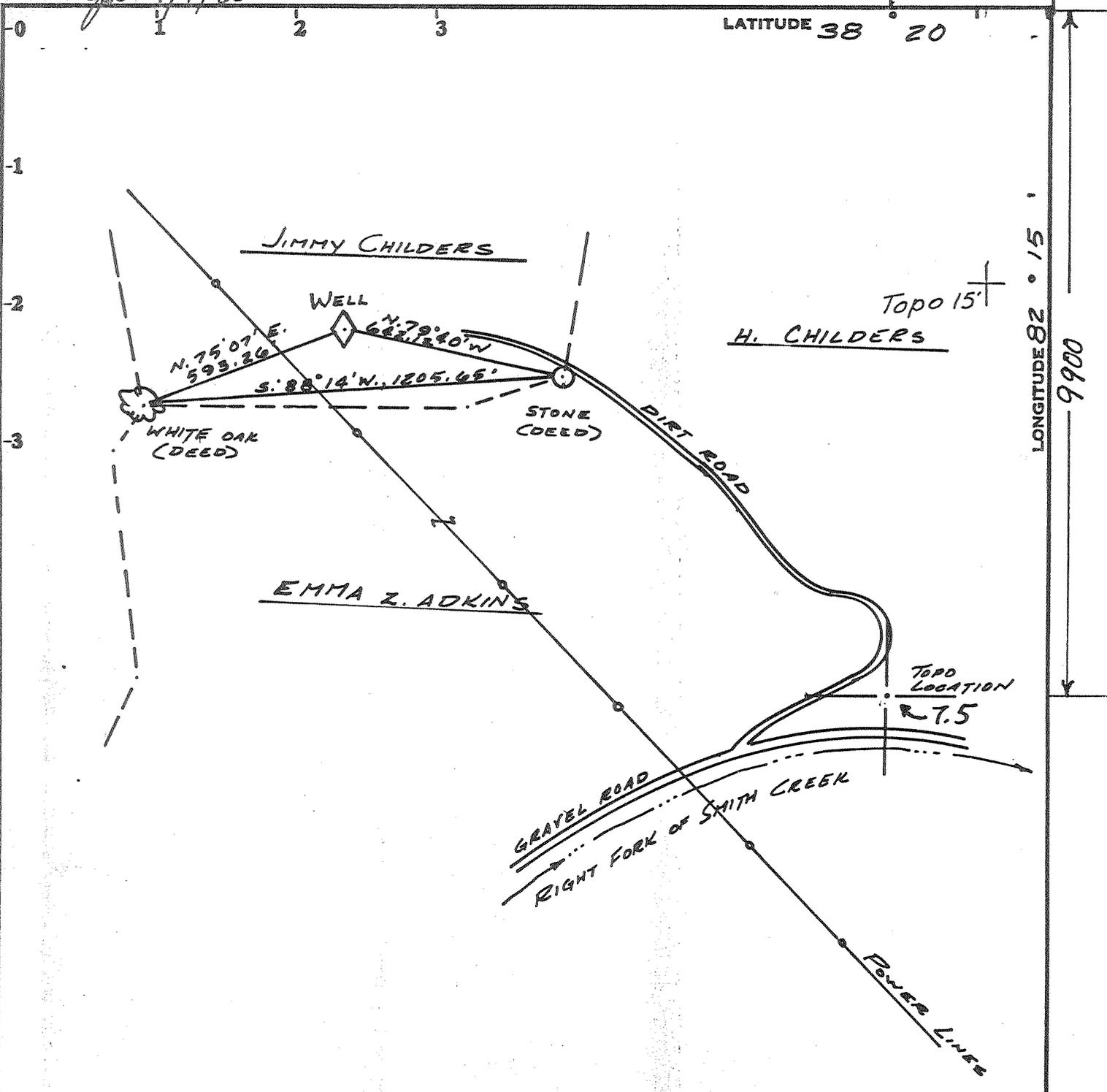


Obs 4/1/88

2300



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
Squares: N S E W

Map No. 5

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

Company. Alfred E. Knobler
 Address - PO BOX 270 West Hamlin, W.Va. 25571
 Farm JIMMY CHILDERS TRACT
 Tract 1 Acres _____ Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 962.80
 Quadrangle WINSLOW, W.VA. 7.5
 County CABELL District M'COMMAS
 Surveyor JOSEPH F. SISLER
 Surveyor's Registration No. 1032
 File No. 7526 Drawing No. 5
 Date 9-9-75 Scale 1"=400'

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

WELL LOCATION MAP

FILE NO. CAB-561-PP

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

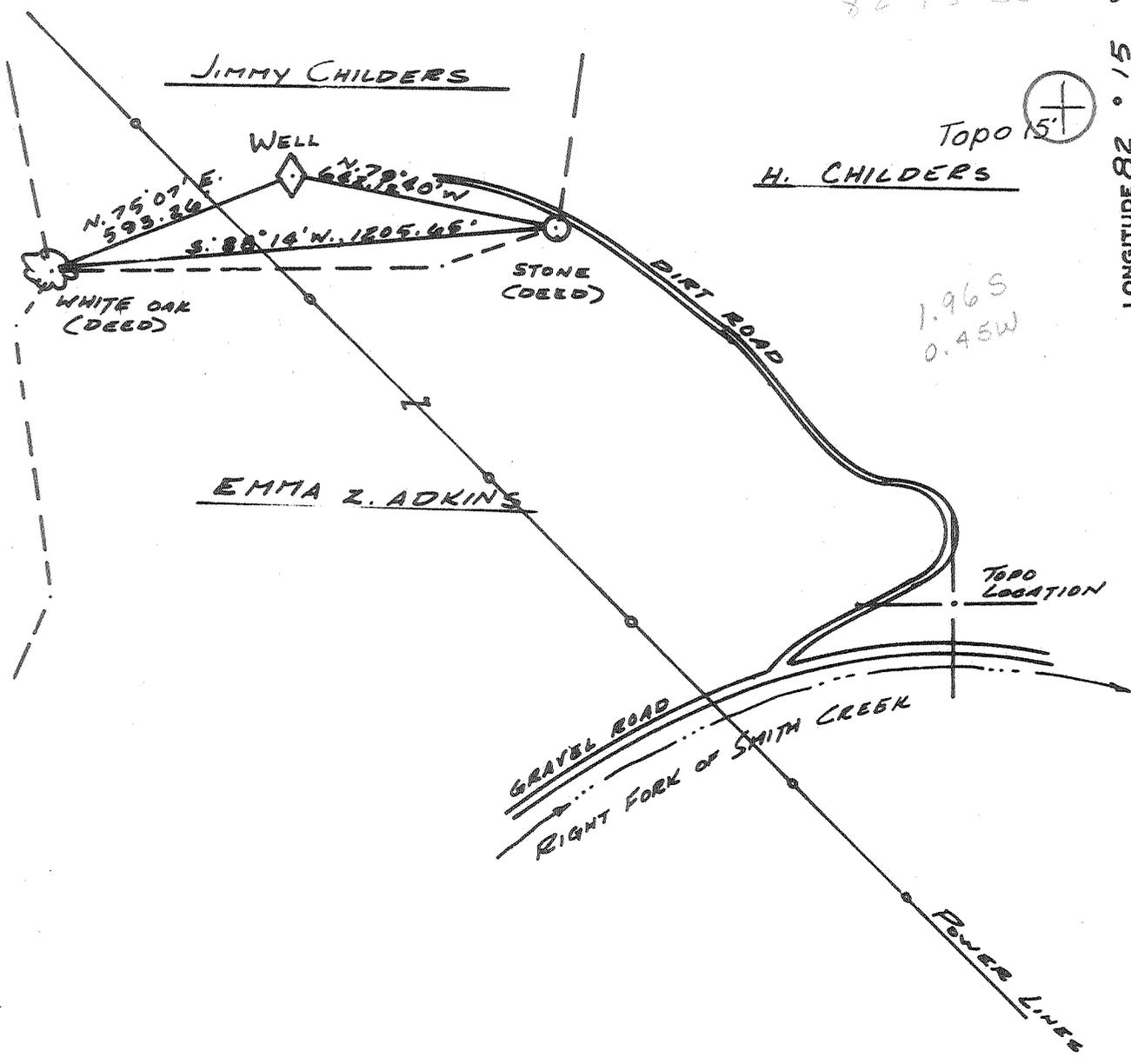
- Denotes one inch spaces on border line of original tracing.

47-011

3778 Deep well - OWWD - 6-6 East Lynn - Crete (231)
Newman shale

38 18 20
82 15 30

LONGITUDE 82 15



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

Map No. 5

Company DALE ADKINS INC.
 Address CEREDO, W.VA.
 Farm JIMMY CHILDERS TRACT
 Tract 1 Acres _____ Lease No. _____
 Well (Farm) No. _____ Serial No. SE
 Elevation (Spirit Level) 962.80 Guyandot 15'
 Quadrangle 7/4 WINSLOW, W.VA.
 County CABELL District M-COMMAS
 Surveyor JOSEPH F. SISLER
 Surveyor's Registration No. 1032
 File No. 7526 Drawing No. 5
 Date 9-9-75 Scale 1"=400'

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

WELL LOCATION MAP
FILE NO. CAB-561

+ 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

DEEP WELL 6-6 East Lynn-Crete (231)



State of West Virginia

DEPARTMENT OF ENERGY
Oil and Gas Division

Date August 3, 1988
Operator's
Well No. K-5
Farm J. Childers
API No. 47 - 011 -561

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / GasX / Liquid Injection / Waste Disposal /
(If "Gas," Production X / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 962.8 Watershed Smith Creek
District: McComas County Cabell Quadrangle Winslow

COMPANY Alfred E. Knobler
ADDRESS P.O. Bx 270, West Hamlin, WV 2557
DESIGNATED AGENT J. Allen Martin, Gen. Mgr.
ADDRESS P.O. Bx 270, West Hamlin, WV 2557
SURFACE OWNER James Childers
ADDRESS Route 1, Salt Rock, WV 25559
MINERAL RIGHTS OWNER SAME
ADDRESS SAME
OIL AND GAS INSPECTOR FOR THIS WORK
Jerry Tephabock ADDRESS Rt. 1, Box 101-A
Ripley, WV 2527
PERMIT ISSUED 9-12-75
DRILLING COMMENCED 9-15-75
DRILLING COMPLETED 9-22-75
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
CN

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 13-10", 9 5/8, 8 5/8, 7, 5 1/2, 4 1/2, 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 3400 feet
Depth of completed well 4548 feet Rotary X / Cable Tools
Water strata depth: Fresh 125 feet; Salt 950 feet
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 3450 feet
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 100 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure 170 psig(surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Electric plug set at 4176'
 Rock and clay filled from 4176' to 3976'
 Bridge set at 3826'
 Rock and clay filled from 3826' to 3696'

Well shot by Sureshot 4000# from 3696' to 2300'

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Surface			0	18	
Slate and Sand			18	1100	
Salt Sand			1100	1508	
Big Lime			1508	1700	
Injun Sand			1700	1740	
Slate and Shells			1740	2334	
Coffee Shell			2334	2345	
Berea			2345	2354	
Slate and Shells			2354	2550	
Brown Shale			2550	2974	
Slate			2974	3008	
Brown Shale			3008	3262	
Slate			3262	3400	
Brown Shale			3400	3778	
<u>Corniferious</u>			3778	<u>4548 TD</u>	

(Attach separate sheets as necessary)

Alfred E. Knobler

Well Operator

By: J. Allen Martin, General Manager

Date: August 3, 1988

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Winslow

Permit No. Cab-561

Company Dale Adkins Inc.
Address PO Box 5557 Huntington, W. VA.
Farm J. Childers Acres 53.5
Location (waters) Smith Creek
Well No. J. CHILDERS #1-K-5 Elev. 962.8
District McComas County Cabell
The surface of tract is owned in fee by J. Childers
Address Rt. 1, Salt Rock, W. Va.
Mineral rights are owned by Same
Address Same
Drilling Commenced 9-15-75
Drilling Completed 9-22-75
Initial open flow 50MCF cu. ft. _____ bbls.
Final production 100MCF cu. ft. per day _____ bbls.
Well open 24 hrs. before test 170# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	350	350	125 Sks.
8 5/8			
7	1850	1850	100 Sks.
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well shot by sureshot
4000 #

Coal was encountered at none logged Feet _____ Inches _____
Fresh water 125 Feet _____ Salt Water 950 Feet _____
Producing Sand Dev. Shale Depth 2550 - 3500

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	18		
Slate & Sand			18	1100		Fresh water @ 125 Et.
Salt Sand			1100	1308		Salt Water @ 950 Ft.
Big Lime			1308	1500		
Injun Sand			1500	1540		
Slate & Shells			1540	2150		
Coffee Shell			2150	2161		
Berea			2161	2181		
Slate & Shells			2181	2550		
Brown Shale			2550	2974		
Slate			2974	3008		
Brown Shale			3008	3262		
Slate			3262	3400		
Brown Shale			3400	3500		T.D.

Dev Sh.

Area 2344
0-07-80178

TD, 4550 - on log
TD, log, 4548

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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SEP 12 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 9-12-75

Surface Owner <u>J. Childers</u>	Company <u>DALE ADKINS, INC.</u>
Address <u>Ht. #1, Salt Rock, W. Va.</u>	Address <u>Huntington, W. Va.</u>
Mineral Owner <u>same</u>	Farm <u>J. Childers</u> Acres <u>53.5</u>
Address <u>same</u>	Location (waters) <u>Smith Creek</u>
Coal Owner <u>same</u>	Well No. <u>J. Childers #1 (7WV-K)</u> Elevation <u>962.8</u>
Address <u>same</u>	District <u>McComas</u> County <u>Cabell</u>
Coal Operator <u>coal not operated</u>	Quadrangle <u>Winslow</u>
Address <u>coal not operated</u>	

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 1-12-76.

Robert L. Adkins
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PH: 736-4885 ADDRESS Barboursville, W. Va.

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 March 31 1975 by Exxon Co U.S.A. made to Dale Adkins and recorded on the 30 day of May 1975, in Cabell County, Book 222 Page 446

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,
(Sign Name) DALE ADKINS, INC.
Well Operator

Address of Well Operator Bx 555 Street
Hgan City or Town
W. Va State

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

*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-561 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 Union Drilling NAME Dak Adkins
 ADDRESS Buchanan, W. Va. ADDRESS P.O. Box 5557, Hays, W. Va.
 TELEPHONE 1-304-472-4616 TELEPHONE 697-5404
 ESTIMATED DEPTH OF COMPLETED WELL: 3300 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian
 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	280	280	60 sbs/circ/cb d
9 - 5/8			
8 - 5/8			
7	1850	1850	50 sbs / 400' fill-up
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 600 FEET SALT WATER 1200 FEET
 APPROXIMATE COAL DEPTHS none
 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

Issued 4/5/88
011-0561-PP Expires 4/5/90

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

- 1) Well Operator: Alfred E. Knobler ⁴⁸⁵ 26600, C, 689
- 2) Operator's Well Number: K-5/47-011-561-PP 3) Elevation: 962.8
- 4) Well type: (a) Oil ___ / or Gas X /
(b) If Gas: Production X / Underground Storage ___ /
Deep ___ / Shallow X /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 3778 feet
- 7) Approximate fresh water strata depths: 125
- 8) Approximate salt water depths: 950
- 9) Approximate coal seam depths: None
- 10) Does land contain coal seams tributary to active mine? Yes ___ / No X /
- 11) Proposed Well Work: Partial plug well back to depth of 3778
- 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	10 3/4		32 LB.	305	305	127 Ft. ³
Fresh Water	9 5/8"			350	350	147.5 Ft. ³
Coal						
Intermediate	7"		20 LB.	1850	1850	118 Ft. ³
Production						
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

1078
9
Fee(s) paid: 1078 Well Work Permit 1078 Reclamation Fund 1078 WPCP
Plat 1078 WW-9 1078 WW-2B 1078 Bond Blanket Agent 1078
(Type)

6840

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APR 01 1988

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 1) Date: March 28, 1988
- 2) Operator's well number K-5 Jimmy Childers
- 3) API Well No: 47 - 011 - 561PP
State - County - Permit

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 James D. & Fern Childers
 Address Route 1, Box 305
Salt Rock, WV 25559

(b) Name _____
 Address _____

(c) Name _____
 Address _____

5) (a) Coal Operator:
 Name NONE
 Address _____

(b) Coal Owner(s) with Declaration
 Name NONE
 Address _____

Name _____
 Address _____

(c) Coal Lessee with Declaration
 Name NONE
 Address _____

6) Inspector Jerry Topolabock
 Address Route 1 Box 101-A
Sprudge, W.V. 25274
 Telephone (304) - 372-6805

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
 Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

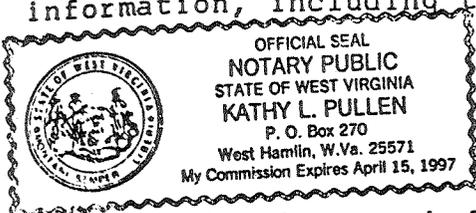
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by:

- _____ 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.



Well Operator Alfred E. Khobler
 By: [Signature]
 Its: General Manager
 Address P.O. Box 270
West Hamlin, WV 25571
 Telephone (304) 824-5433

Subscribed and sworn before me this 28 day of March, 1988

My commission expires 4-15-97
[Signature] Notary Public

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPPLICATE, 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

Address

NONE
Coal Operator or Owner

Address

James Childers
Lease or Property Owner

Route 1, Salt Rock, WV 25559
Address

Alfred E. Knobler
Name of Well Operator

P.O. Box 270, West Hamlin, WV 25571
Complete Address

August 3, 1988
WELL AND LOCATION

McComas District

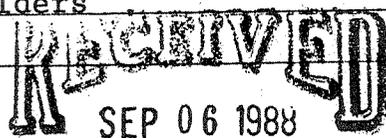
Cabell County

WELL NO. K-5, Permit No. 47-011-0561

James Childers Farm

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT



STATE OF WEST VIRGINIA,
County of Lincoln

ss:

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

and
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 01 day of Aug., 19 88, 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
Slate and Shells	SHOT FROM 2300' to 3696'			
Brown Shale	Rock and Clay 3696' - 3826'			
Corniferious	BRIDGE SET at 3826'			
Corniferious	Rock and Clay 3976 - 4176'			
Corniferious		ELECTRIC PLUG set at		4176'
Coal Seams				
(Name)				

Handwritten signature 9/8/88

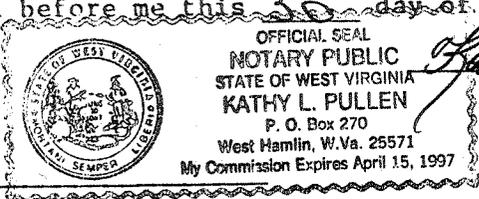
Description of Monument

and that the work of plugging and filling said well was completed on the 30 day of Aug, 19 88.

And further deponents saith not.

Handwritten signature

Sworn to and subscribed before me this 30 day of August, 19 88.



Handwritten signature
Notary Public

SEP 09 1988

My commission expires:

April 15, 1997

Permit No 47-011-0561-PP