

o = Iron Pipe
 □ = Stone

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200'
 PROVEN SOURCE OF ELEVATION USGS BM 613'

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.
 (SIGNED) Paul K. Marshall
 R.P.E. _____ L.L.S. 580

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

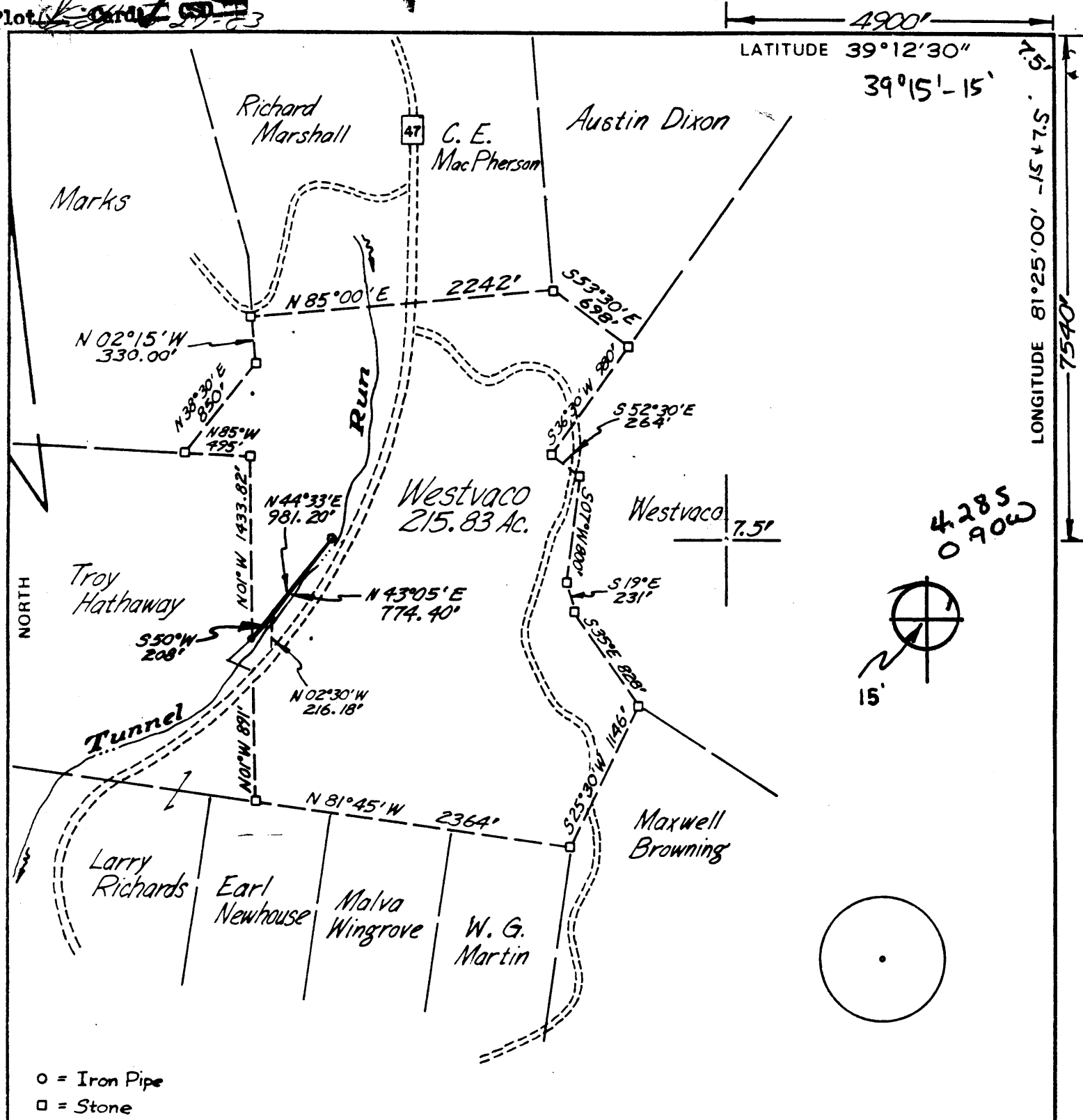


DATE JUNE 3 1983
 OPERATOR'S WELL NO. WOLFE #8
 API WELL NO. 47 - 107 - 1272-P
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION ELEVATION 764' WATER SHED TUNNEL RUN
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA (7.5')
 SURFACE OWNER WESTVACO ACREAGE 215.83
 OIL & GAS ROYALTY OWNER A. B. WOLFE EST. LEASE ACREAGE 215.83
 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 MARCELLUS SHALE ESTIMATED DEPTH 5200'
 WELL OPERATOR CLAY Resources LTD DESIGNATED AGENT CHRIS MILLER
 ADDRESS #3 ROSEMAR CIRCLE, SUITE-C PARKERSBURG, W.VA. 26101 ADDRESS #3 ROSEMAR CIRCLE, SUITE-C PARKERSBURG, W.VA. 26101

LATITUDE 39°12'30"
 LONGITUDE 81°25'00"
 4900'
 7540'
 15'
 7.5'
 580
 1272



○ = Iron Pipe
 □ = Stone

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 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1:200'
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 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JUNE 3, 1983
 OPERATOR'S WELL NO. WOLFE #8
 API WELL NO. 47 - 107 - 1272
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 764' WATER SHED TUNNEL RUN
 DISTRICT CLAY COUNTY WOOD
 QUADRANGLE KANAWHA (7.5') Elizabeth 15' NW
 SURFACE OWNER WESTVACO ACREAGE 215.83
 OIL & GAS ROYALTY OWNER A. B. WOLFE EST. LEASE ACREAGE 215.83
 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) _____

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 ADDRESS #3 ROSEMAR CIRCLE, SUITE-C PARKERSBURG, W.VA. 26101 ADDRESS #3 ROSEMAR CIRCLE, SUITE-C PARKERSBURG, W.VA. 26101

RECEIVED

AUG - 2 1983



IV-35
(Rev 8-81) OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date July 21, 1983
Operator's
Well No. 8
Farm Wolfe
API No. 47 - 107 - 1272

AUG 08 1983

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

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

LOCATION: Elevation: 764' Watershed Tunnel Run
District: Clay County Wood Quadrangle Kanawha

COMPANY Clay Resources, Inc.

ADDRESS #3 Rosemar Circle, Parkersburg, W. Va. 26101
DESIGNATED AGENT Chris Miller

ADDRESS Route #3, Box 90-A, Sandyville, W. Va. 25275
SURFACE OWNER Westvaco

ADDRESS Parkersburg, W. Va. 26101
MINERAL RIGHTS OWNER Jean Brady & Helen Vogel Trustees for A.B. Wolfe Est.

ADDRESS 805 1/2 Market Street, Parkersburg, W. Va.
OIL AND GAS INSPECTOR FOR THIS WORK Homer

Dougherty ADDRESS Linden Rt., Box 3-A Looneyville, W. Va. 25259
PERMIT ISSUED July 8, 1983

DRILLING COMMENCED July 12, 1983

DRILLING COMPLETED July 15, 1983

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON July 15, 1983

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	256'	256'	140 sks.
7			
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2204' feet

Depth of completed well 2284' feet Rotary XX / Cable Tools

Water strata depth: Fresh 250 feet; Salt 250 down feet

Coal seam depths: NONE Is coal being mined in the area? XX

OPEN FLOW DATA

Producing formation N/A Plugged & Abandoned Pay zone depth feet

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 measurement) after hours shut in

(If applicable due to multiple completion--)

Second producing formation Pay zone depth feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Final open flow Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

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

8001 8 0 1100

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale	Buff	Soft	0'	415	
Sand	Buff	Hard	415	515	
Shale	Gray	Soft	515	890	
Sand	Buff	Hard	890	925	
Shale	Gray	Soft	925	975	
Sand	Buff	Hard	975	1040	
Shale	Gray	Soft	1040	1065	
Sand	Buff	Hard	1065	1125	
Shale	Gray	Soft	1125	1170	
Sand	Buff	Hard	1170	1210	
Shale	Buff	Soft	1210	1320	
Sand	Buff	Hard	1320	1335	
Shale	Gray	Soft	1335	1354	
Sand	Buff	Hard	1354	1370	
Shale	Buff	Soft	1370	1465	
Sand	Buff	Hard	1465	1510	
Shale	Gray	Soft	1510	1535	
Big Injun	Buff	Hard	1535	1685	
Shale	Gray	Soft	1685	1700	
Squaw Sand	Buff	Hard	1700	1710	
Shale	Gray	Soft	1710	2110	
Coffee					
Shale	Bl/Br	Soft	2110	2126	
Devonian					
Shale	Gray	Soft	2125	2276	
				T.D. 2284	

(Attach separate sheets as necessary)

Clay Resources, Inc.

Well Operator

By: Sandy Schafer

Sandy Schafer

Date: July 30, 1983

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."



1) Date: _____, 19____
 2) Operator's Well No. _____
 3) API Well No. 47 State _____ County _____ Permit _____

DRILLING CONTRACTOR:

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

OIL AND GAS WELL PERMIT APPLICATION

- 4) WELL TYPE: A Oil _____ / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
- 5) LOCATION: Elevation: _____ Watershed: _____
 District: _____ County: _____ Quadrangle: _____
- 6) WELL OPERATOR _____ 11) DESIGNATED AGENT _____
 Address _____ Address _____
- 7) OIL & GAS ROYALTY OWNER _____ 12) COAL OPERATOR _____
 Address _____ Address _____
- 8) SURFACE OWNER _____ 13) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Address _____ Name _____
 Address _____ Name _____
- 9) FIELD SALE (IF MADE) TO: _____
 Address _____
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED _____ 14) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____ Address _____
 Address _____
- 15) PROPOSED WORK: Drill _____ / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 16) GEOLOGICAL TARGET FORMATION, _____
- 17) Estimated depth of completed well, _____ feet
- 18) Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
- 19) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ / No _____

20) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermediate									
Production									Depths set
Tubing									
Liners									Perforations:
									Top Bottom

21) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

23) Required Copies (See reverse side.)

24) Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

Notary: _____

Signed: _____

My Commission Expires _____

Its: _____

OFFICE USE ONLY
 DRILLING PERMIT

Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

Permit expires _____ unless drilling is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
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Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

JUL 22 1983

FORM IV-38
(Affidavit of Plugging)

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

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, 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.

Coal Operator or Owner N/A Name of Well Operator Clay Resources, Inc.
 Address N/A Complete Address #3 Rosemar Circle, Parkersburg, W. Va. 26101
 Coal Operator or Owner N/A WELL AND LOCATION July 21, 1983
 Address N/A Clay District
 Lease or Property Owner Westvaco Wood County
 Address Rt. 95 & Rayon Drive, Parkersburg, W. Va. WELL NO. 8
 Address Wolfe Farm

STATE INSPECTOR SUPERVISING PLUGGING Homer Dougherty, Linden Rt., Box 3-A, Looneyville, W. Va.

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Wood

Newsco Well Service 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 Clay Resources, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 15th day of July, 19 83, 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>BEREZ</u>	<u>Class II + 2% Cement</u>	<u>200' 16SD-MSO</u>	X	
<u>OPEN hole</u>	<u>Class A + 2% Cement</u>	<u>100' 6-00'-520'</u>	X	
<u>Open hole</u>	<u>Class A + 2% Cement</u>	<u>100' 300'-300'</u>	Y	X
<u>8 5/8" Cased hole</u>	<u>Class A + 2% Cement</u>	<u>50' 50' - SURFACE</u>		X
Coal Seams	Description of Monument			
(Name)	<u>40" Pipe 4 1/2 9.5"</u>			
(Name)	<u>w/ permit # w/p to K...</u>			
(Name)				
(Name)				

and that the work of plugging and filling said well was completed on the 16th day of July, 19 83.

And further deponents saith not.

Sworn to and subscribed before me this 21st day of July, 1983.

 Notary Public

My commission expires:

SANDRA L. SCHAFER Permit No. 47-107-1272-P
 Commissioner For The State of West Virginia
 My Commission Expires Sept. 10, 1991

Wood - 1272