

Janie 1/30/89

LATITUDE 39° 40' 00"

05°55'N
M. 910.595

00°56'N
M. 650.995

S37°55'E-1150'

WELL 402

NORTH
1,769.63

WELL 403

JOSEPH S. CARROTHERS
170 ACRES

C. HAUGHT HRS.

TOPO. LOC.
7 1/2' SERIES
WADESTOWN
QUAD.

814'

1.495
0.16W

NORTH

D. GALLAGHER

F. SAILOR

N86°00'E
3,344.55

WELL 409-A

90°12
M. 574.35

N36°00'E
462.00

N36°00'E
374.55

1200' RADIUS

15' loc calc

1.495

2.38W

84 m Co Rep map

FILE NO. F2-1-166

DRAWING NO. F2-2-184

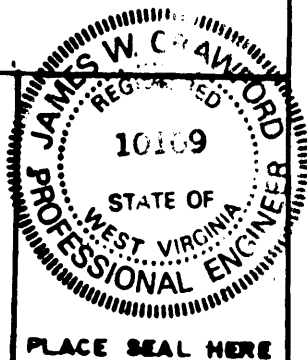
SCALE 1"=500'

MINIMUM DEGREE OF
ACCURACY 1/2500'

PROVEN SOURCE OF
ELEVATION USGS BM
1902 GRAFTON

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) James W. Crawford
R.P.E. 10109 L.L.S.



PLACE SEAL HERE

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



DATE JANUARY 11, 19 89
OPERATOR'S WELL NO. F2-409A
API WELL NO. 47-061
STATE 0904-P COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1250' WATER SHED MIRACLE RUN
DISTRICT BATTELLE COUNTY MONONGALIA

QUADRANGLE WADESTOWN 7 1/2' Mannington EC

SURFACE OWNER JOSEPH S. CARROTHERS ACREAGE 170

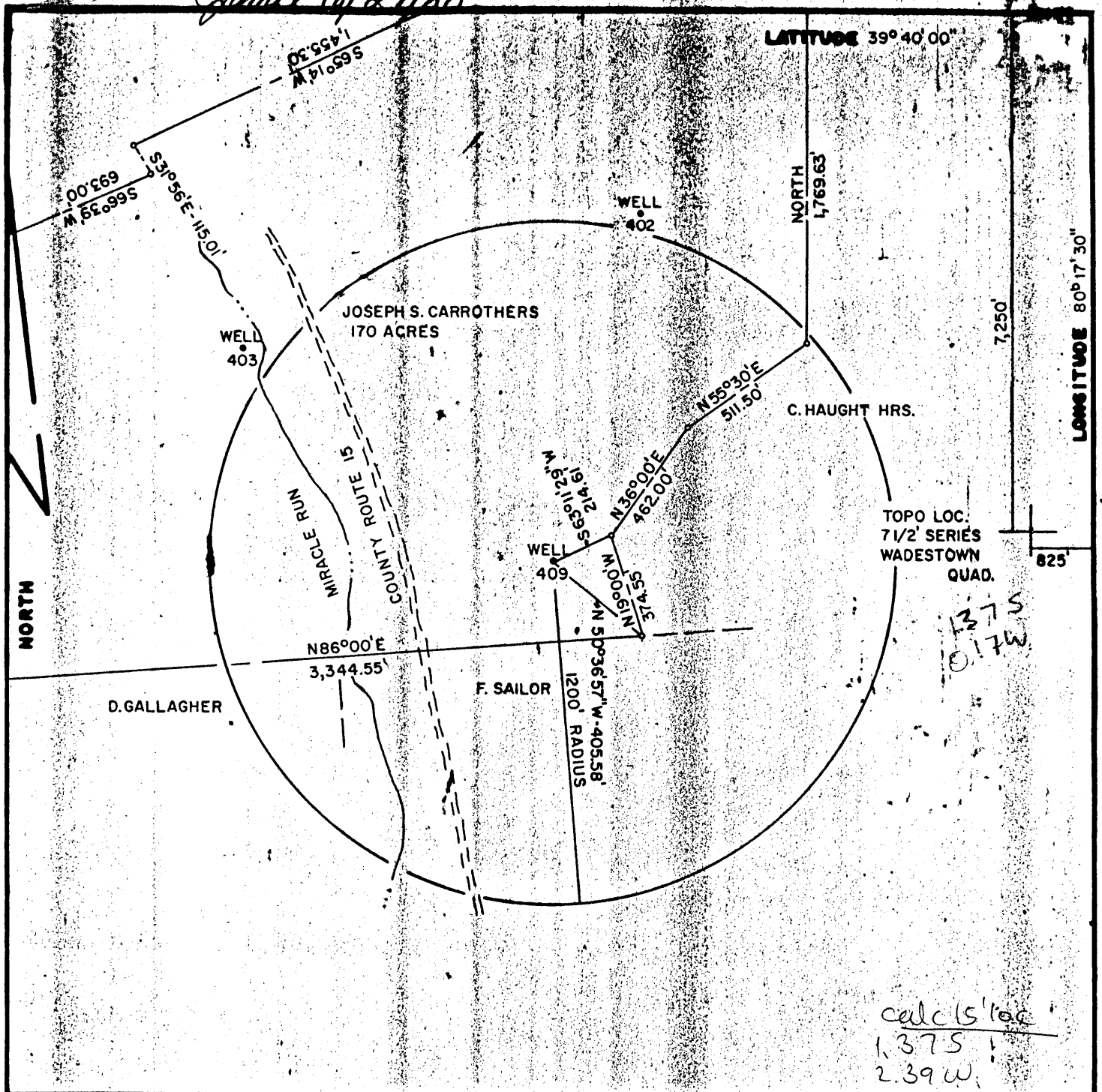
OIL & GAS ROYALTY OWNER FORMERLY SOUTH PENN OIL COMPANY LEASE ACREAGE 418
LEASE NO.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL X FRACTURE OR
STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

PLUS AND ABANDON X CLEAN OUT AND REPLUG
TARGET FORMATION FIFTH SAND ESTIMATED DEPTH 3354
WELL OPERATOR EASTERN ASSOC. COAL CORP. DESIGNATED AGENT JOHN A. VEITCH
ADDRESS ROUTE 1 BOX 144 ADDRESS
FAIRVIEW W.VA. 26570 ADDRESS

FEB 3 1989

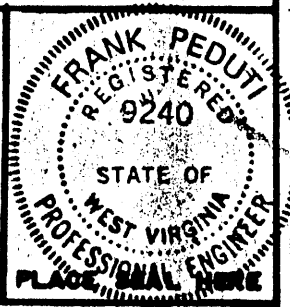
Janice G/27/88



*calc 15' loc
1.375
2.39 W*

FILE NO. F2-1-166
 DRAWING NO. F2-2-175
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION USGS BM 1902 GRAFTON

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) Frank Peduti *5 June 1988*
 R.P.E. 9240 L.L.S. _____



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



DATE MAY 25, 1988
 OPERATOR'S WELL NO F2-409
 API WELL NO. 47 - 061 - 0872
 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 1250 WATER SHED MIRACLE RUN
 DISTRICT BATTELLE COUNTY MONONGALIA
 QUADRANGLE WADESTOWN 7 1/2' *Maandilton*
 SURFACE OWNER JOSEPH S. CARROTHERS ACREAGE 170
 OIL & GAS ROYALTY OWNER FORMERLY SOUTH PENN OIL COMPANY LEASE ACREAGE 418
 LEASE NO. _____
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL FRACTURE OR
 STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLUG _____
 TARGET FORMATION FIFTH SAND ESTIMATED DEPTH 3354 JUL 1 1988
 WELL OPERATOR EASTERN ASSOC. COAL CORP. DESIGNATED AGENT JOHN A. VEITCH
 ADDRESS EASTERN ASSOC. COAL CORP. ADDRESS SAME
ROUTE 1, BOX 144
FAIRVIEW W. VA. 26570

WR-38
30-Jan-89

API # 47- 61-00904-P

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

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE 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.

Farm name: CORROTHERS, JOSEPH S. Operator Well No.: F2-409A

LOCATION: Elevation: 1250.00 Quadrangle: WADESTOWN
District: BATTELLE County: MONONGALIA
Latitude: 7266 Feet South of 39 Deg. 40 Min. 0 Sec.
Longitude 814 Feet West of 80 Deg. 17 Min. 30 Sec.

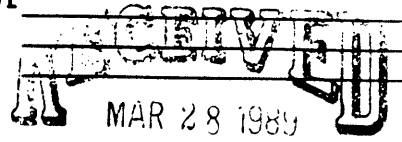
Well Type: OIL X GAS

Company: Pennzoil Company
PO Drawer 1588
Parkersburg, WV 26102

Coal Operator Eastern Assoc. Coal Corp.
or Owner Route 1 Box 144
Fairview, WV 26570

Agent: Terry O. Hendershot
Inspector: Don Ellis
Permit Issued: 01/30/89

Coal Operator
or Owner



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia

ss:

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Jim Gump and Melvin Eddy 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 Chisler Brothers, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 6 day of February, 1989, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cleaned out to 1502	Run logs Gamma Ray, Neutron &	1200' to 1300' & 975' to 1088'	3 Arm Caliper	
Ripped old 8" pipe from	gelled hole with	15 sacks gell	& 4 bags paper mulch	
Run 4 1/2" pipe to 1411'	sacks chem-comp	pulled 4 1/2"	pipe to 1097	
Got circulation Run 150	& 150 sacks Chem-Comp Cement	& got circulation		
Run 700 sacks of Portland	1076'			
Pumped latch down plug to	4 1/2" pipe &	checked plug	4 1/2" Pipe New	1097'
Bailed water out inside	1404	1502		98'
Old 7" Pipe	250	975		725'
Old 10" Pipe	975	1404		
Old 8" Pipe				

Description of monument: 4 1/2" x 2" Swedge Metal Plate welded to 2" pipe with

Date plugged and A.P.I. No. on plate

and that the work of plugging and filling said well was completed on the 13 day of March, 1989.

And further deponents saith not.

Jim Gump
Melvin Eddy
William J. Tuttle
Notary Public

Sworn and subscribe before me this 23RD day of March, 1989

My commission expires: June 17, 1997

JAN 16 1990

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.

Eastern Associated Coal Corporation Coal Operator or Owner	Eastern Associated Coal Corporation Name of Well Operator
Route 1 Box 144 Fairview, WV 26570 Address	Route 1 Box 144 Fairview, WV 26570 Complete Address
Coal Operator or Owner	February / 19 89
Address	WELL AND LOCATION
Joseph S. Carrothers Lease or Property Owner	Battelle District
1428 Cov. Road, Organ, Ohio Address	Monongalia County
	WELL NO. EACC F2-409
	A.J. Carrothers 170 Acres Farm

STATE INSPECTOR SUPERVISING PLUGGING Don Ellis

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Monongalia ss:

Ray Smith and Jim McKenzie
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 Chisler Brothers, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 3 day of January, 19 89, 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
1) Cleaned out to total depth of 1320'				
2) Logged well, Gamma Ray, Neutron and 3 Arm Caliper				
3) Run 4 1/2" pipe to 1320' Gelled hole with 40 bags gell 7 bags saw dust and 7 bags paper mulch. Got circulation				
4) Run 350 sack portland, 150 sack chem comp cement.				
5) Pulled 4 1/2" pipe to 1118'				
6) Run 1050 sack portland and 150 sack chem comp cement. Got circulation.				
7) Pumped latch down plug to 1098'				
8) Bailed water out inside 4 1/2" pipe and checked plug.				
Coal Seams				
(Name) Pittsburgh Coal 983' to 991'				
(Name)				
(Name)				
(Name)				

RECEIVED
FEB 03 1989

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

William F. Teitle
Description of Monument

4 1/2" swedge with metal plate welded to 2" pipe
Date plugged and API No. on plate.

and that the work of plugging and filling said well was completed on the 31 day of January 31, 19 89.

And further deponents saith not.

Ray Smith

Jim McKenzie

Sworn to and subscribed before me this 1st day of February, 19 89.

William F. Teitle
Notary Public

My commission expires:
June 17, 1997

Permit No. 47-061-0872-P