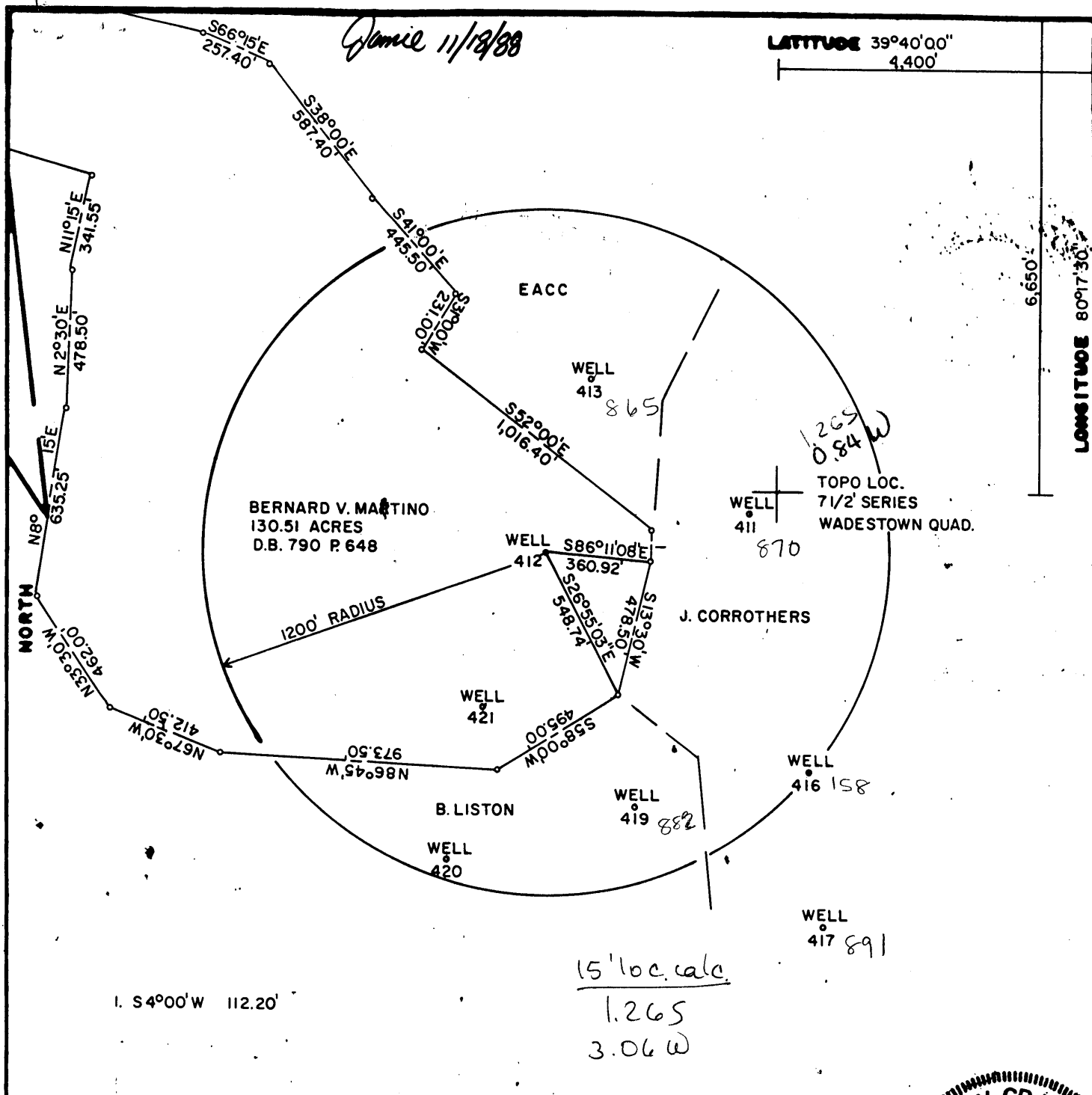


James 11/19/88

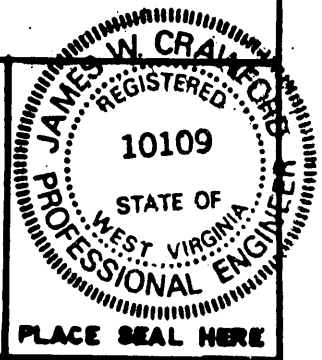
LATITUDE 39°40'00"
4,400'

LONGITUDE 80°17'30"



FILE NO. F2-1-170
DRAWING NO. F2-2-180
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.



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

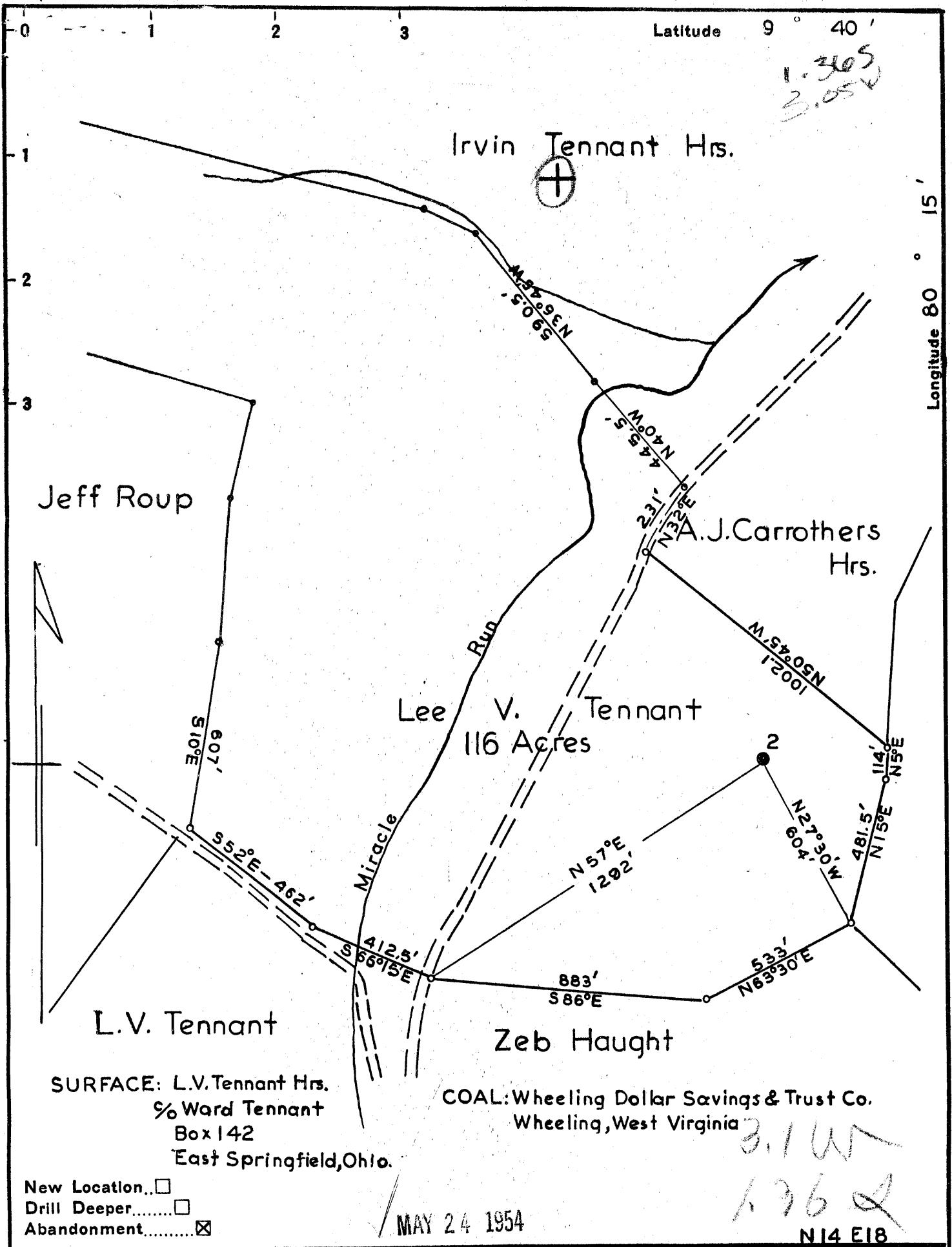


DATE NOVEMBER 5, 19 88
OPERATOR'S WELL NO F2-412
API WELL NO. 47-061-888-P
STATE 061 COUNTY 888 PERMIT P

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 1400± WATER SHED MIRACLE RUN
DISTRICT BATTELLE COUNTY MONONGALIA
QUADRANGLE WADESTOWN 7 1/2' SERIES Mannington Ec
SURFACE OWNER BERNARD V. MARTINO ACREAGE 130.51
OIL & GAS ROYALTY OWNER FORMERLY SOUTH PENN OIL COMPANY LEASE ACREAGE
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)
PLUG AND ABANDON X CLEAN OUT AND REPLUG
TARGET FORMATION GORDON SAND ESTIMATED DEPTH 3366'
WELL OPERATOR EASTERN ASSOC. COAL CORP. DESIGNATED AGENT JOHN A. VEITCH NOV 28 1988
ADDRESS ROUTE 1 BOX 144 ADDRESS ROUTE 1 BOX 144
FAIRVIEW WVA. 26570 FAIRVIEW WVA. 26570

was 061 581A



Company	South Penn Natural Gas Company
Address	Parkersburg, West Virginia
Farm	Lee V. Tennant
Tract	Acres 116 Lease No. 15912
Well (Farm) No.	2 Serial No.
Elevation (Spirit Level)	1370.08 Ground
Quadrangle	Mannington
County	Monongalia District Battelle
Engineer	Mr. B. Hayes
Engineer's Registration No.	1429
File No.	Drawing No.
Date	April 1, 1954 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. MON-581-A
 NW 061 888

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

LEE V. TENNANT NO. 2 - SOUTH PENN N.G. Co. - MON-581-A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

633

WELL RECORD

Permit No. 581-A 888

Oil or Gas Well Oil
(KIND)

Company South Penn Natural Gas Company
Address Union Trust Bldg., Parkersburg, W. Va.
Farm L. V. Tennant Acres 116
Location (waters) _____
Well No. 2 Elev. 1370.08
District Battelle County Monongalia
The surface of tract is owned in fee by L.V. Tennant Hrs.
c/o Ward Tennant, Box 142, E. Springfield, Ohio
Mineral rights are owned by C. W. Tennant et al
Box 142 Address E. Springfield, Ohio
Drilling commenced March 12, 1913
Drilling completed June 5, 1913
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 300 bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10	<u>463</u>		Size of
8 1/4	<u>1652.11</u>		
6 3/4	<u>2631.6</u>	<u>2631.6</u>	Depth set
5 3/16	<u>3082.9</u>	<u>3082.9</u>	
3 1/2	<u>261.7</u>	<u>261.7</u>	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
1043 FEET _____ INCHES 1142 FEET _____ INCHES
1043 FEET _____ INCHES 1150 FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Conductor				<u>14</u>			
Bluff Sand			<u>700</u>	<u>755</u>			
Mapletown Coal			<u>1043</u>	<u>1048</u>			
Pittsburgh Coal			<u>1142</u>	<u>1150</u>			
Murphy Sand			<u>1307</u>	<u>1317</u>			
Little Dunkard			<u>1473</u>	<u>1503</u>			
Big Dunkard			<u>1630</u>	<u>1697</u>			
Gas Sand			<u>1822</u>	<u>1925</u>			
Salt Sand			<u>2015</u>	<u>2153</u>			
Little Lime			<u>2320</u>	<u>2338</u>			
Big Lime			<u>2344</u>	<u>2420</u>			
Big Injun			<u>2420</u>	<u>2565</u>			
Squaw Sand			<u>2600</u>	<u>2620</u>			
Fifty Foot Sand			<u>3050</u>	<u>3100</u>			
					Gas	<u>3050</u>	
Stray Sand			<u>3316</u>	<u>3332</u>	Gas	<u>3085</u>	
Gordon Sand			<u>3346</u>				
					Oil	<u>3366</u>	
Total Depth				<u>3372</u>			



JAN 7 1955

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date May 4, 1945

APPROVED South Penn Natural Gas Company, Owner

By George W. Wilman
George W. Wilman (Title) Land Agent



RECEIVED
DEPT. OF ENERGY
JAN 23 91

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.

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

Coal Operator or Owner
Address
Bernard V. Martino
Lease or Property Owner
Route 1 Wadestown, WV
Address

Eastern Associated Coal Corp.
Name of Well Operator
Route 1 Box 144 Fairview, WV 26570
Complete Address
December 24 19 88

WELL AND LOCATION
Battelle District
Monongalia County

WELL NO. [REDACTED]

Lee V. Tennant 114 Acres Farm

STATE INSPECTOR SUPERVISING PLUGGING Don Ellis

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of Monongalia

ss:

Dave Chisler and Jim Gump

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 21 day of November, 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
1) Cleaned out to total depth of 1650'		Old 7" pipe	127'	
2) Logged well. Gamma Ray. Neutron and 3 arm caliper				
3) Run 8" pipe to 1270 to finish cleaning out				
4) Pulled 127' of old 7" pipe				
5) Put stone bridge from 1650' to 1600'				
6) Run 4 1/2" pipe to 1600', gelled hole with 32 sacks gell and 4 bags paper mulch and got circulation				
7) Pulled all 8" pipe and recirculated hole				
8) Run 200 sacks portland, 200 sacks of chem comp cement, pulled 4 1/2" pipe to 1263' Run 900 sacks portland, 100 sacks chem comp cement and pumped latch down plug to 1241'				
9) Run 2 3/8" tubing to 100' tagged cement, pumped 180 sacks of portland and got circulation				
10) Bailed water out inside 4 1/2" pipe and checked plug ok				
Coal Seams				
(Name) Pittsburg Coal 1140' to 1148'		4 1/2" swedge with metal		
(Name)		Plate welded to 2" pipe		
(Name)		Date plugged and A.P.I. No.		
(Name)		on Plate		

and that the work of plugging and filling said well was completed on the 23 day of December, 19 88.

And further deponents saith not.

Dave Chisler
Jim Gump
Sworn to and subscribed before me this 24th day of December, 19 88.
William J. Tuttle
Notary Public

My commission expires:

June 17, 1997

FEB 1 1991

Permit No. 47-061-0888-P