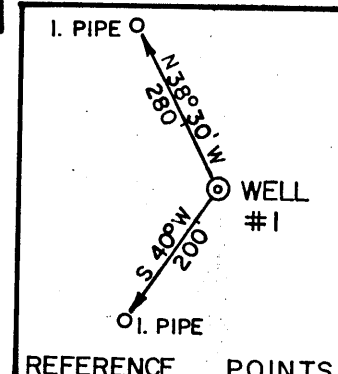
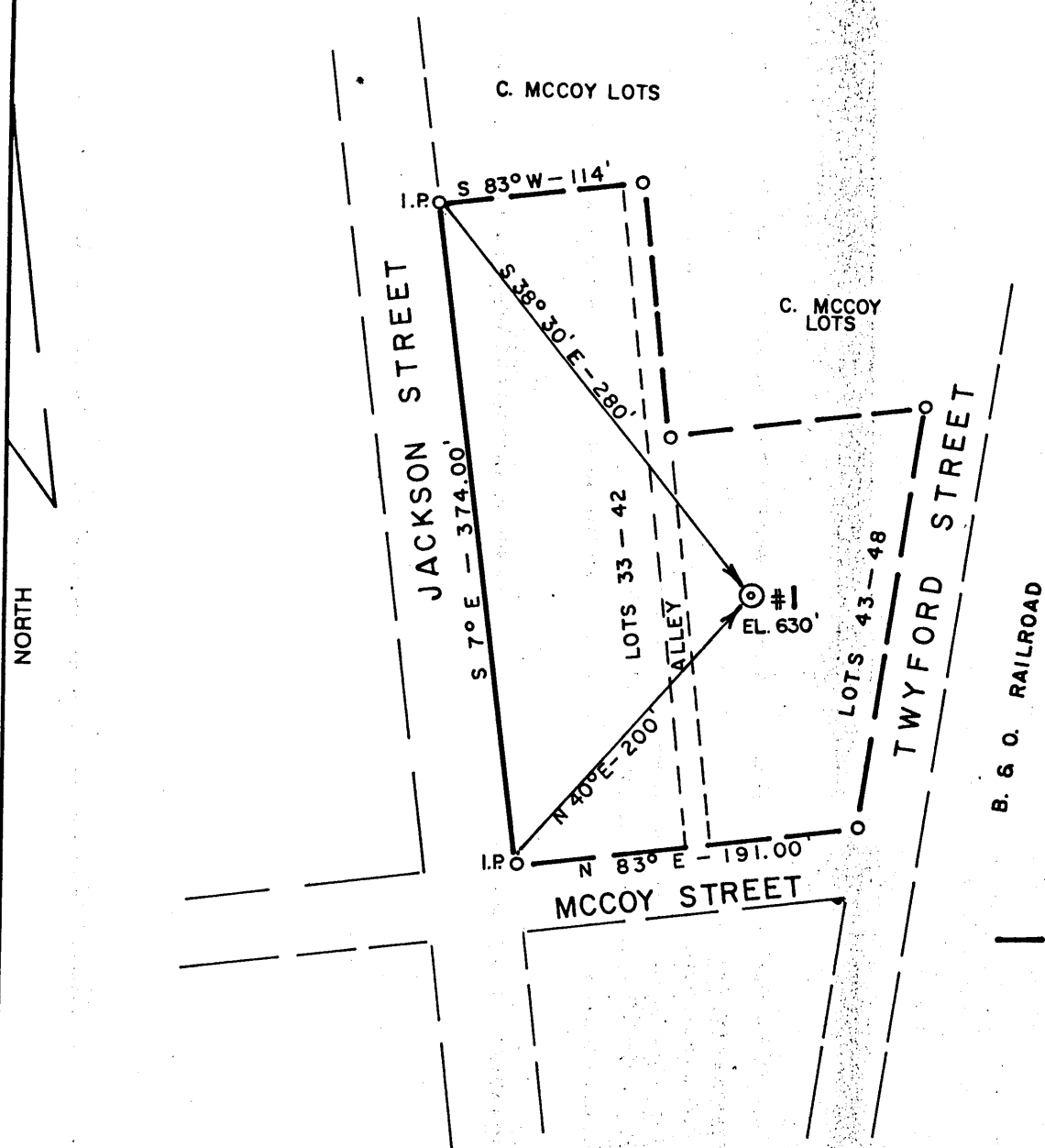


Jamie 5/17/88

3610' WEST
 LATITUDE 39° 35' 00"

LONGITUDE 81° 00' 00"
 SOUTH 12,000'



* N. B. NO HOUSES WITHIN 200' OF LOCATION
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. **85-573**
 DRAWING NO. _____
 SCALE **1" = 100'**
 MINIMUM DEGREE OF ACCURACY **1'/200'**
 PROVEN SOURCE OF ELEVATION **U.S.B.M. ON R.R. TRACKS (633')**

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) *Chet Waterman*
 R.P.E. **3788** L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE **8/14**, 19 **85**
 OPERATOR'S WELL NO. **1**
 API WELL NO. **47-095-1118-P**
 STATE COUNTY PERMIT

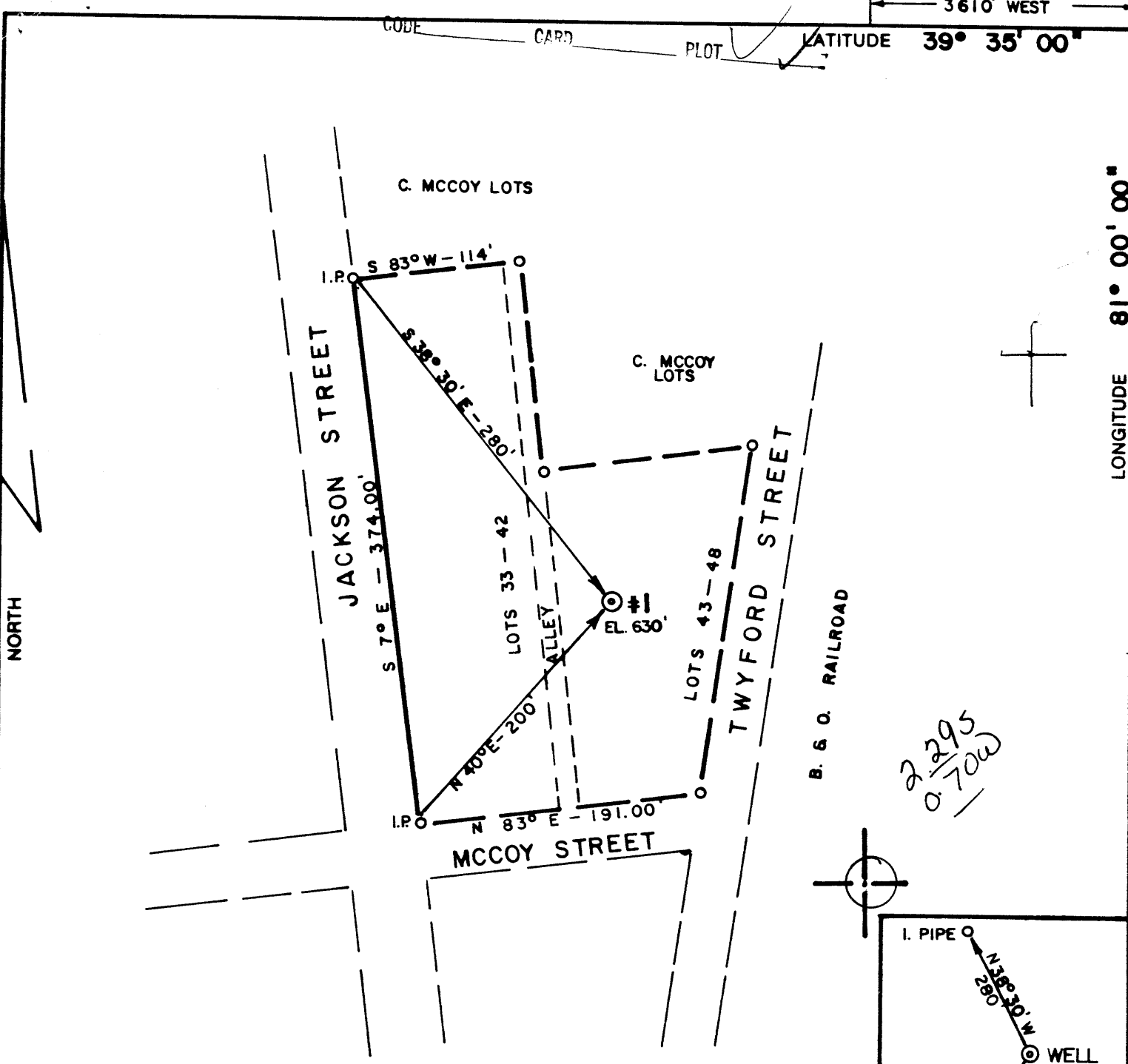
WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION **630** WATER SHED **OHIO RIVER**
 DISTRICT **LINCOLN** COUNTY **TYLER**
 QUADRANGLE **NEW MATAMORAS**
 SURFACE OWNER **CHARLES MCCOY HEIRS** ACREAGE **1.58**
 OIL & GAS ROYALTY OWNER **F. R. WELLS HEIRS** LEASE ACREAGE **443**

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 **BIG INJUN** ESTIMATED DEPTH **1600'**
 WELL OPERATOR **SOHIO SHALE OIL CO.** DESIGNATED AGENT **CHET WATERMAN**
 ADDRESS **50 S. MAIN ST., SUITE 930 SALT LAKE CITY, UTAH 84144** ADDRESS **1704-18TH STREET PARKERSBURG, WV 26101**

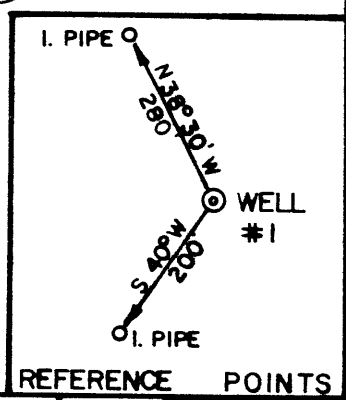
MAY 20 1988

TYLER COUNTY NAME
 1118-P PERMIT



* N. B. NO HOUSES WITHIN 200' OF LOCATION

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



FILE NO. 85-573

DRAWING NO. _____

SCALE 1" = 100'

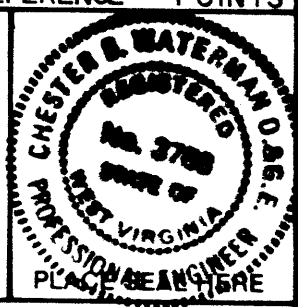
MINIMUM DEGREE OF ACCURACY 1/200'

PROVEN SOURCE OF ELEVATION U.S.B.M. ON R.R. TRACKS (633')

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) Chet Waterman

R.P.E. 3788 L.L.S. _____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 8/14, 19 85

OPERATOR'S WELL NO. 1

API WELL NO. 47-095-1118

STATE 47 COUNTY 095 PERMIT 1118

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

LOCATION: ELEVATION 630 WATER SHED OHIO RIVER

DISTRICT LINCOLN 3 COUNTY TYLER

QUADRANGLE NEW MATAMORAS 510 092 SE9

SURFACE OWNER CHARLES MCCOY HEIRS ACREAGE 1.58

OIL & GAS ROYALTY OWNER F. W. WELLS HEIRS LEASE ACREAGE 4.43

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 BIG INJUN ESTIMATED DEPTH 1600'

WELL OPERATOR SOHIO SHALE OIL CO. DESIGNATED AGENT CHET WATERMAN

ADDRESS 730 50 S. MAIN ST., SUITE 930 SALT LAKE CITY, UTAH 84144 ADDRESS 1704-18TH STREET PARKERSBURG, WV 26101

OCT 15 1985

FORM IV-6 (8-78) DRAFT CO., INC. 66433 6-86 Sistersville. (28)

IV-35
(Rev 8-82)

RECEIVED
DEC 10 1985



DIVISION OF OIL & GAS
DEPT. OF ENERGY

State of West Virginia
Department of Mines
Oil and Gas Division

Date 12/5/85
Operator's
Well No. 1
Farm Charles McCoy Heirs
API No. 47-095-1118

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

WELL TYPE: ^{1.} Oil X / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 630' Watershed Ohio River
District: Lincoln County Tyler Quadrangle New Matamoras

COMPANY Sohio Shale Oil Company
ADDRESS Salt Lake City, UT 84144
DESIGNATED AGENT Chet Waterman
ADDRESS Parkersburg, WV 26101
SURFACE OWNER Charles McCoy Heirs
ADDRESS La Jolla, CA
MINERAL RIGHTS OWNER F. R. Wells Heirs
ADDRESS Sistersville, WV 26175
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther
ADDRESS Middlebourne, WV
PERMIT ISSUED 10/7/85
DRILLING COMMENCED 10/15/85
DRILLING COMPLETED 10/20/85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	61'	61'	---
13-10"	202	202	190 sx.
9 5/8			
8 5/8			
7	1385	1385	570 sx.
5 1/2			
4 1/2			
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

GEOLOGICAL TARGET FORMATION Big Injun Depth 1390 feet
Depth of completed well 1465 feet Rotary X / Cable Tools _____
Water strata depth: Fresh 60 feet; Salt --- feet
Coal seam depths: ----- Is coal being mined in the area?

OPEN FLOW DATA

Producing formation Big Injun Pay zone depth 1390 feet
Gas: Initial open flow 50 Mcf/d Oil: Initial open flow show Bbl/d
Final open flow ~~show~~ Mcf/d Final open flow ? Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure 10 psig (surface measurement) after 24 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

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

NONE

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Dirt			0	20	
Shale			20	50	
Sand			50	60	Water
Shale			60	227	
Sand			227	238	
Shale			238	249	
Sand			249	282	
Shale			282	495	
Sand			495	504	
Shale			504	599	
Sand			599	615	
Shale			615	763	
Sand			763	797	
Sand & Shale			797	860	
Shale			860	947	
Sand			947	963	
Shale			963	1120	
Sand			1120	1187	
Shale			1187	1263	
Big Lime			1263	1295	
Keener			1295	1363	
Shale			1363	1390	
<u>Big Injun</u>			1390	1465	Oil & Gas
TOTAL DEPTH				1495	

(Attach separate sheets as necessary)

Well Operator
 By: *John Waterman*
 Date: 12/6/85

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."

RECEIVED
SEP 10 1985



1) Date: August 14, 1985
 2) Operator's Well No. 1
 3) API Well No. 47 State 095 County -1118 Permit

STATE OF WEST VIRGINIA
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY **APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas _____
 B (If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow _____)
 5) LOCATION: Elevation: 922' Watershed: Ohio River
 District: Lincoln County: Tyler Quadrangle: New Matamoras 7.5'
 6) WELL OPERATOR Sohio Shale CODE: 730 7) DESIGNATED AGENT Chet Waterman
 Address 50 S. Main St., Suite 930 Address 1704-18th Street
Salt Lake City, UT 84144 Parkersburg, WV 26101
 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name _____ Address _____
 9) DRILLING CONTRACTOR: Name To be named later Address _____
 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Big Injun 371
 12) Estimated depth of completed well, 1600 feet
 13) Approximate trata depths: Fresh, 90 feet; salt, _____ feet.
 14) Approximate coal seam depths: -- Is coal being mined in the area? Yes _____ / No

15) 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	<u>10-3/4</u>			<input checked="" type="checkbox"/>			<u>200'</u>	<u>Circulated</u>	<u>70 sx. by rule</u>
Coal									Sizes <u>15-05</u>
Intermediate									Depths set
Production Tubing	<u>7"</u>		<u>17</u>	<input checked="" type="checkbox"/>			<u>1400'</u>	<u>Circulated</u> <u>335 sx.</u>	Perforations:
Lin...									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1118 Date October 7 19 85

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. 8) 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.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.
 Permit expires October 7, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>AKB</u>	Plat: <u>mx</u>	Casing: <u>mx</u>	Fee: <u>12170</u>	WPCP	S&E	Other
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Margaret J. Chase
 Director, Division of Oil and Gas

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

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

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

NONE
Address
Coal Operator or Owner

C. McCoy JR.
Lease or Property Owner
LA JOLLA, CA. 92038
Address

BP AMERICA / STANDARD OIL
Name of Well Operator
200 PUBLIC SQUARE 36-5406-A
CLEVELAND, OHIO 44114
Complete Address
6/1/88 19 88

LINCOLN District
TYLER County

WELL NO. C. McCoy Heirs #1
C. McCoy Heirs #1 Farm

STATE INSPECTOR SUPERVISING PLUGGING

ROBERT LOWTHER

AFFIDAVIT

STATE OF WEST VIRGINIA,

County of WOOD ss:

Bick Cellina, DORELL SCHUMBERG and William O. Sutphin CARPENTER WELLSER 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 BP AMERICA / STANDARD OIL, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 1 day of JUNE, 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
<u>BIG INJUN</u>	<u>CEMENT 1425'-1325'</u>	<u>100'</u>		<u>1325'-7'</u>
<u>-</u>	<u>GELL</u>	<u>TO WITHIN 50' OF TOP</u>		
<u>-</u>	<u>CEMENT 50'-Surface</u>	<u>TO TOP</u>		
<p>RECEIVED JUN 03 1988 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY</p>				
Coal Seams		Description of Monument		
(Name)		<u>36" of 7" CASING - WITH</u>		
(Name)		<u>PERMIT # 95-1118</u>		
(Name)				
(Name)				

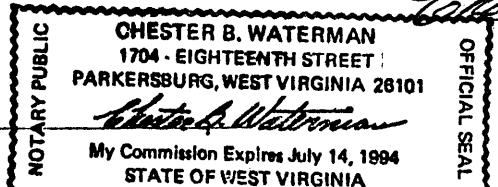
and that the work of plugging and filling said well was completed on the 1 day of JUNE, 19 88.

And further deponents saith not.

Sworn to and subscribed before me this 1 day of JUNE, 19 88.

Chester B. Waterman
Notary Public

My commission expires:



Permit No. 095-1118
JUN 10 1988