

M.L. 6/24/82

4490'

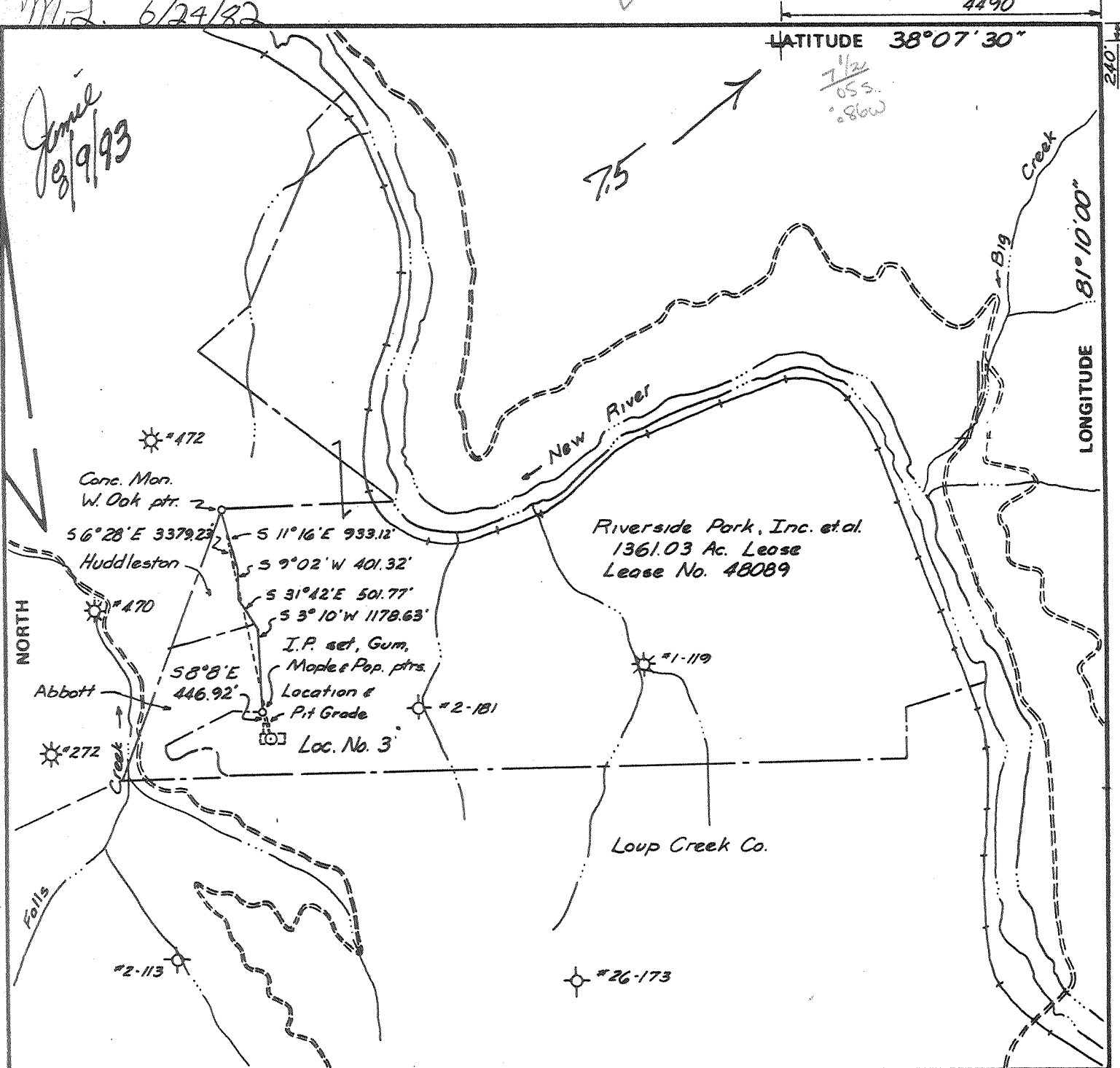
LATITUDE 38°07'30"

7 1/2
055
°86W

June
9/9/93

7.5

LONGITUDE 81°10'00"



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 4911
 PROVEN SOURCE OF ELEVATION Top of Knob
 Elev 1738

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) John S. Pentecost
 R.P.E. 1442 L.L.S. _____

PLACE SEAL HERE

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



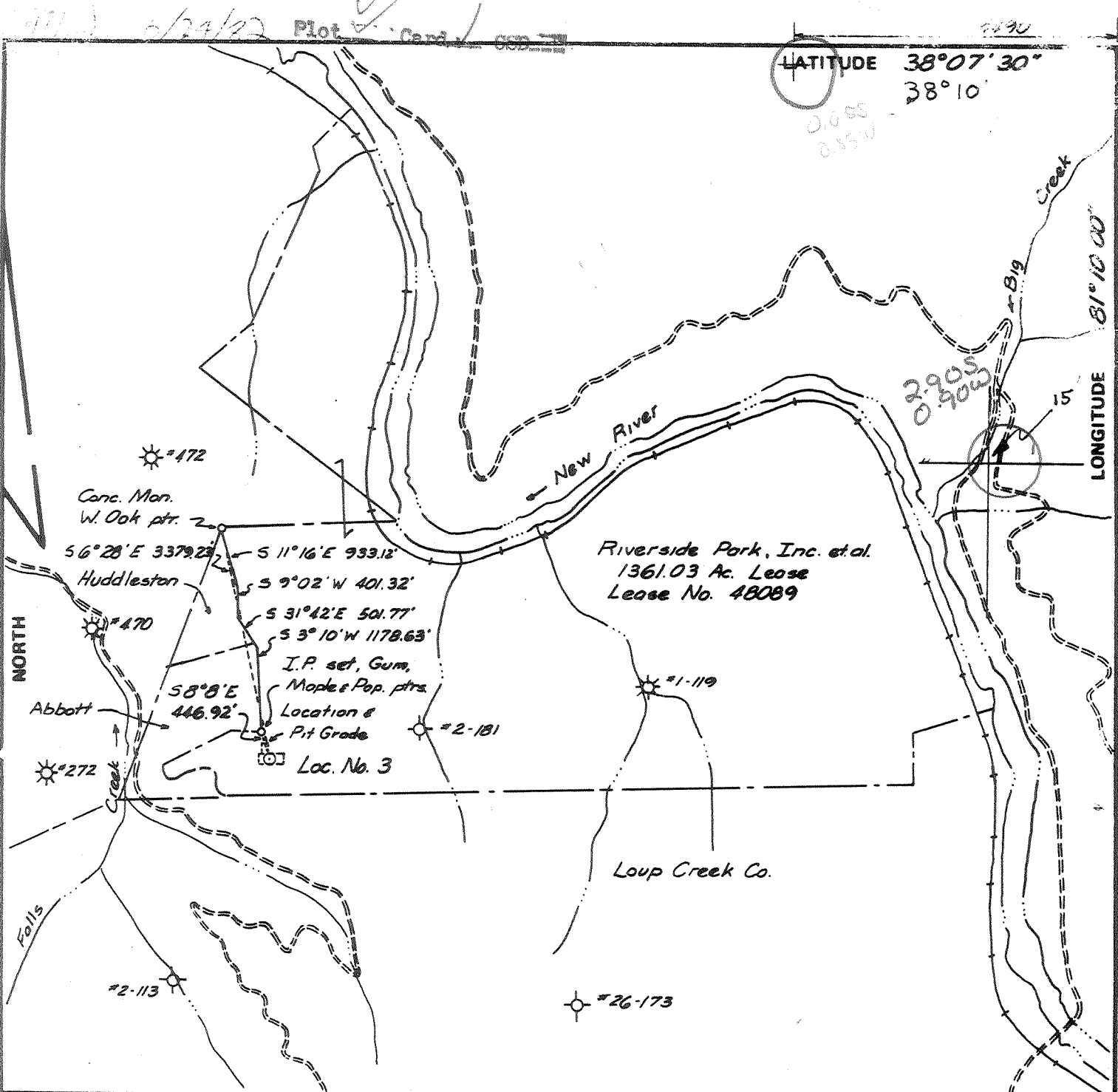
DATE June 18, 19 82
 OPERATOR'S WELL NO. 3 - Ser #094561
 API WELL NO. 47 - 019 - 0490-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1729.0 WATER SHED New River
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Beckwith
 SURFACE OWNER Riverside Park, Inc., et al ACREAGE 1361.03
 OIL & GAS ROYALTY OWNER Riverside Park, Inc. et al LEASE ACREAGE 1361.03
 LEASE NO. 48089
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

AUG 13 1993

PLUG AND ABANDON X CLEAN OUT AND REPLUG ___
 TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 6573'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bobby Widener
 ADDRESS PO Box 391 Ashland Ky 41114 ADDRESS PO. Box Brenton WVa. 24818
DEEP WELL



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 4911
 PROVEN SOURCE OF ELEVATION Top of Knob
Elev 1738

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) John S. Prout
 R.P.E. 1442 L.L.S. _____

PLACE SEAL HERE

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



DATE June 18, 1982
 OPERATOR'S WELL NO. 3 - Ser #094561
 API WELL NO. _____
47 - 019 - 0490
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1729.0 WATER SHED New River
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Beckwith Fayetteville 15' WC
 SURFACE OWNER Riverside Park, Inc., et al ACREAGE 1361.03
 OIL & GAS ROYALTY OWNER Riverside Park, Inc. et al LEASE ACREAGE 1361.03
 LEASE NO. 48089
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 6573'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS PO Box 391 Ashland Ky 41114 ADDRESS PO. Box 156 Brenton WVa. 24816
DDP - Rhinestreet - +SPD - Maxon
DEEP WELL
3-3 Beckwith (Loop Creek) (354)

JUL 06 1982

IV-35
(Rev 8-81)



Date November 18, 1982
Operator's
Well No. 3
Farm Riverside Park et al
API No. 47 - 019 - 0490

State of West Virginia
Department of Mines
Oil and Gas Division

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

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

LOCATION: Elevation: 1729 Watershed New River
District: Valley County Fayette Quadrangle Beckwith

COMPANY Ashland Exploration, Inc.
ADDRESS P. O. Box 391, Ashland, Ky. 41114
DESIGNATED AGENT Forrest Burkett
ADDRESS Box 156, Brenton, WV 24818
SURFACE OWNER Riverside Park etal
ADDRESS c/o L. M. LaFollette - Box 2068
MINERAL RIGHTS OWNER Riverside Park etal
ADDRESS c/o L.M. LaFollette-Box 2068-Charleston,
OIL AND GAS INSPECTOR FOR THIS WORK D. Craig
Duckworth ADDRESS Rt.#2 Box 2-D,Sandyville,
PERMIT ISSUED 6/28/82
DRILLING COMMENCED 8/1/82
DRILLING COMPLETED 8/11/82
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	28'	28'	15 sks
9 5/8			
8 5/8	1757'	1757'	350 sks
7			
5 1/2			
4 1/2	6597'	6597'	297 sks
3			
2 3/8"		6145	Pkr @2660'
Liners used			

GEOLOGICAL TARGET FORMATION Marcellus Shale Depth 6473 feet
Depth of completed well 6578 feet Rotary X / Cable Tools
Water strata depth: Fresh 122 feet; Salt 1215 feet
Coal seam depths: _____ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 4875 feet
Gas: Initial open flow 146 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 60 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 3 hours
Static rock pressure 445 psig(surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)
Second producing formation Weir, Injun, U. Maxton Pay zone depth 1628 feet
Gas: Initial open flow 979 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 756 Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests 3 hours
Static rock pressure 300 psig(surface measurement) after 72 hours shut in

FOF:
816 MCF

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

Perf Maxton w/20H/1628-38 - Acidize w/1000 gal 15% inh HCl acid - BD @ 1000#, ATP 600#
@ ATR of 5 B/M, ISIP - on vacuum. → *Injun- 2462-2505; Weir - 2525-2578*

Perf Weir & Injun w/41H/2462-2578 - Frac w/500 gal 15% HCl, 75 Quality foam using
50,000# 20/40 sd, BD @ 1800#, MTP 3150#, ATP 2642, ISIP 1500#, 15 min 1100#, TL&FW
273 bbl, TSLF 228 bbl.

Perf Devonian Shale 1st Stage 45H/5619-6291 - Frac w/1000 gal 15% HCl, 75 Quality
foam using 34,000# 20/40 sd, 830 MCFN₂ @ 33,200 SCF/min, BD @ 2950#, ATP 3100#, ATR
11 B/M (wtr) ISIP 2200#, 15 min 1300#, TSLF 180 bbl, TL&FW 235 bbl.

Perf Devonian Shale 2nd Stage 36H/4875-5173 - frac w/10 gal sd on RBP & 500 gal 15%
HCl. 75 Quality foam using 50,000# 20/50 sd. BD @ 2800#, 790 MCFN₂, ATP 3000# @ 10 B/M
(wtr) ISIP 1600#, 15 min 1200#, TSLF 165 bbl, TL&FW 253 bbl.

Completed as a dual gas producer in Devonian Shale (60 MCF/D) and Weir, Injun, Upper
Maxton (758 MCF/D)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all and salt water, coal, oil and
Sand & Shale			Surface	925	Fresh wtr @ 122
Salt Sand			925	1450	Salt wtr @ 1215
Shale			1450	1597	
Upper Maxton			1597	1676	
Shale			1676	2076	
Little Lime			2076	2139	
Pencil Cave			2139	2179	
Big Lime			2179	2454	
Shale			2454	2456	
Injun			2456	2505	
Shale			2505	2525	
Upper Weir			2525	2540	
Shale			2540	2557	
Upper Weir			2557	2602	
Shale			2602	2608	
Lower Weir			2608	2642	
Shale			2642	2899	
Coffee Shale			2899	2920	
Berea			2920	2966	
Devonian Shale			2966	6537	Shows of gas @ 2997, 3508, 4001 4007, 4506, 4992 & 5489
Onondaga LS			6537	TD	

DTD 6580
LTD 6578

6580
5173

1407 expl ftg.

(Attach separate sheets as necessary)

ASHLAND EXPLORATION, INC.

Well Operator

By: *Steve S. Minie*

Date: November 18, 1982

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
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas X /

(If "Gas", Production X / Underground storage ___ / Deep X / Shallow ___ /

LOCATION: Elevation: 1729.0 Watershed: New River
District: Valley (Kanawha County): Fayette Quadrangle: Beckwith

WELL OPERATOR Ashland Exploration, Inc.
Address P. O. Box 391
Ashland, KY 41114

DESIGNATED AGENT Forrest Burkett
Address Box 156
Brenton, WV 24818

OIL AND GAS ROYALTY OWNER Riverside Park et al
Address c/o L.M. LaFollette, III
Box 2068, Charleston, WV 25327
Acreage 1361.03

COAL OPERATOR None
Address _____

SURFACE OWNER Same
Address _____
Acreage 1361.03

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME Riverside Park et al
Address c/o L.M. LaFollette, III
Box 2068, Charleston, WV 25327
NAME _____
Address _____

FIELD SALE (IF MADE) TO:
NAME _____
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
NAME None
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME D. Craig Duckworth
Address Rt. 2 - Box 2-D
Sandyville, WV 25275
Telephone (304) 364-2302

RECEIVED
JUN 22 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease X / other contract ___ / dated Oct. 17, 1966, to ~~the undersigned well operator~~ from Riverside Park et al Columbian Fuel Corporation
(If said deed, lease, or other contract has been recorded:)

Recorded on July 5, 1967, in the office of the Clerk of County Commission of Fayette County, West Virginia, in Deed 273 Book at page 404. A permit is requested as follows:

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate X / Plug off old formation ___ / Perforate new formation ___ / Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

BLANKET BOND

Ashland Exploration, Inc.
Well Operator
By: John H. Burkett SEP 12 1982
John H. Burkett
Its: Regional Civil Engineer

SEP 0 1 93
Permitting

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE 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.

Farm Name: RIVERSIDE PARK, ET AL Operator Well No.: 3-094561

LOCATION: Elevation: 1,729.00 Quadrangle: BECKWITH
District: VALLEY County: FAYETTE
Latitude: 240 Feet South of 38 Deg. 07 Min. 30 Sec.
Longitude 4490 Feet West of 81 Deg. 10 Min. 0 Sec.

Well Type: OIL _____ GAS X

Company: Ashland Exploration, Inc. Coal Operator: Riverside Park et al
P. O. Box 391 or Owner c/o L.M. Lafollette, III
Ashland, KY 41114 Box 2068, Charleston, WV 25327

Agent: James L. Stephens Coal Operator: None
or Owner _____

Permit Issued: 08/10/93

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Fayette ss:

Bob Reel (AEI) and Larry Bowers (WellTech) 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 the above named well operator, and participated in the work of plugging and filling the above well, and Rodney Dillon Oil and Gas Inspector representing the Director, say that said work was commenced on the 8th day of August, 1993, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Formation Wtr.	2739	2720	4 1/2" csg 909'	5668'
Cmt. Cl "A"	2720	2395	8 5/8" csg	1767'
Gel Wtr.	2395	1697	13 3/8"	
Cmt Cl "A"	1697	1567		
Gel Wtr.	1567	909		
Cmt Cl "A"	909	792		
Gel Wtr.	792	103		
Cmt Cl "A"	103	surf		

[Handwritten signature] 9/7/93

Description of monument: 8 5/8" csg - 36" and that the work of plugging and filling said well was completed on the 8th day of August, 1993. And further deponents saith not.

Sworn and subscribed before me this 18th day of August, 1993.
My commission expires: 4-27-97

James L. Stephens Eng Tech II
Suzette S. Hubbard Notary Public, State of Ky. at Large
Rod Dillon

Oil and Gas Inspector:

SEP 1 0 1993