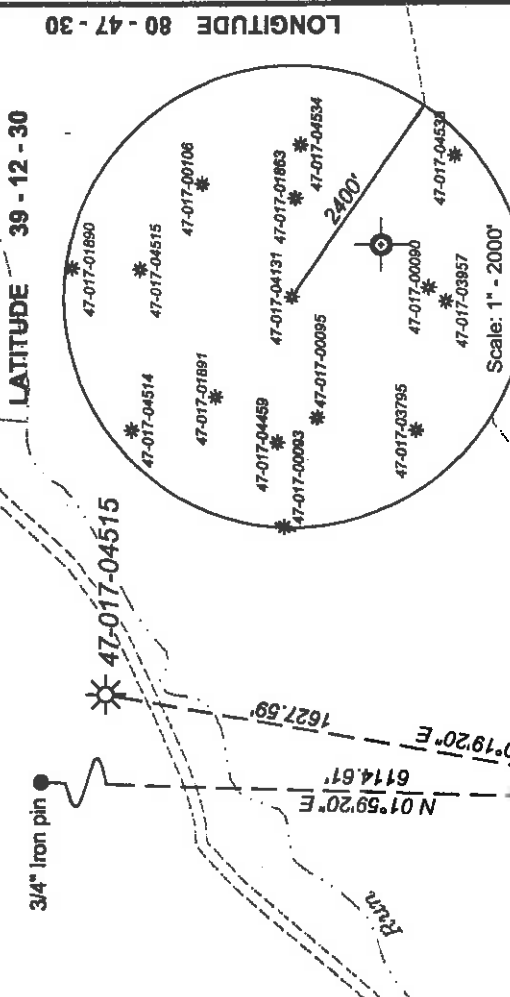


Equitable Production Company, Inc.  
47-017-04131 WV150871  
W.B. Maxwell 2400 Acre Lease

**Notes:**  
Well site coordinates are  
N: 256,597 Latitude: 39.197184  
E: 1,631,419 Longitude: 80.800547  
West Virginia  
Coordinate System of 1927, North Zone  
based upon  
Differential GPS Measurements.  
Plat orientation and corner and well  
references are based upon the grid  
north meridian.  
Well location references are based upon  
the magnetic meridian.



GRID NORTH

47-017-04459

47-017-00095

47-017-04131  
WV150871

P/O  $\frac{10}{2}$   
I.L. (Ike) Morris  
c/o Steve Holloway  
230/307  
6603.75 Acres

47-017-03795

P/O  $\frac{10}{2}$   
I.L. (Ike) Morris  
c/o Steve Holloway  
230/307  
6603.75 Acres

47-017-00090

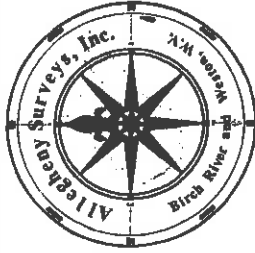
47-017-0395X

47-017-01863

47-017-04534

P/O  $\frac{10}{2}$   
I.L. (Ike) Morris  
c/o Steve Holloway  
230/307  
6603.75 Acres

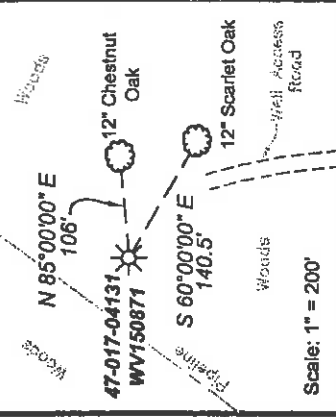
- Legend**
- Gas well existing or proposed
  - Found corner, as noted
  - Surface boundary (approximate)
  - Lease boundary



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 Environmental Protection.

*Ben R. Singleton*  
P.S. 2092

**Well Location References**



( ) Denotes location of well on United States topographic maps



FILE NO: 96-30-S-07 EQT 1-38  
DRAWING NO: 9630S07\_WV150871.dwg  
SCALE: 1" = 500'  
MINIMUM DEGREE OF ACCURACY:  
1:2500  
PROVEN SOURCE OF ELEVATION:  
NGS CORS GSSP

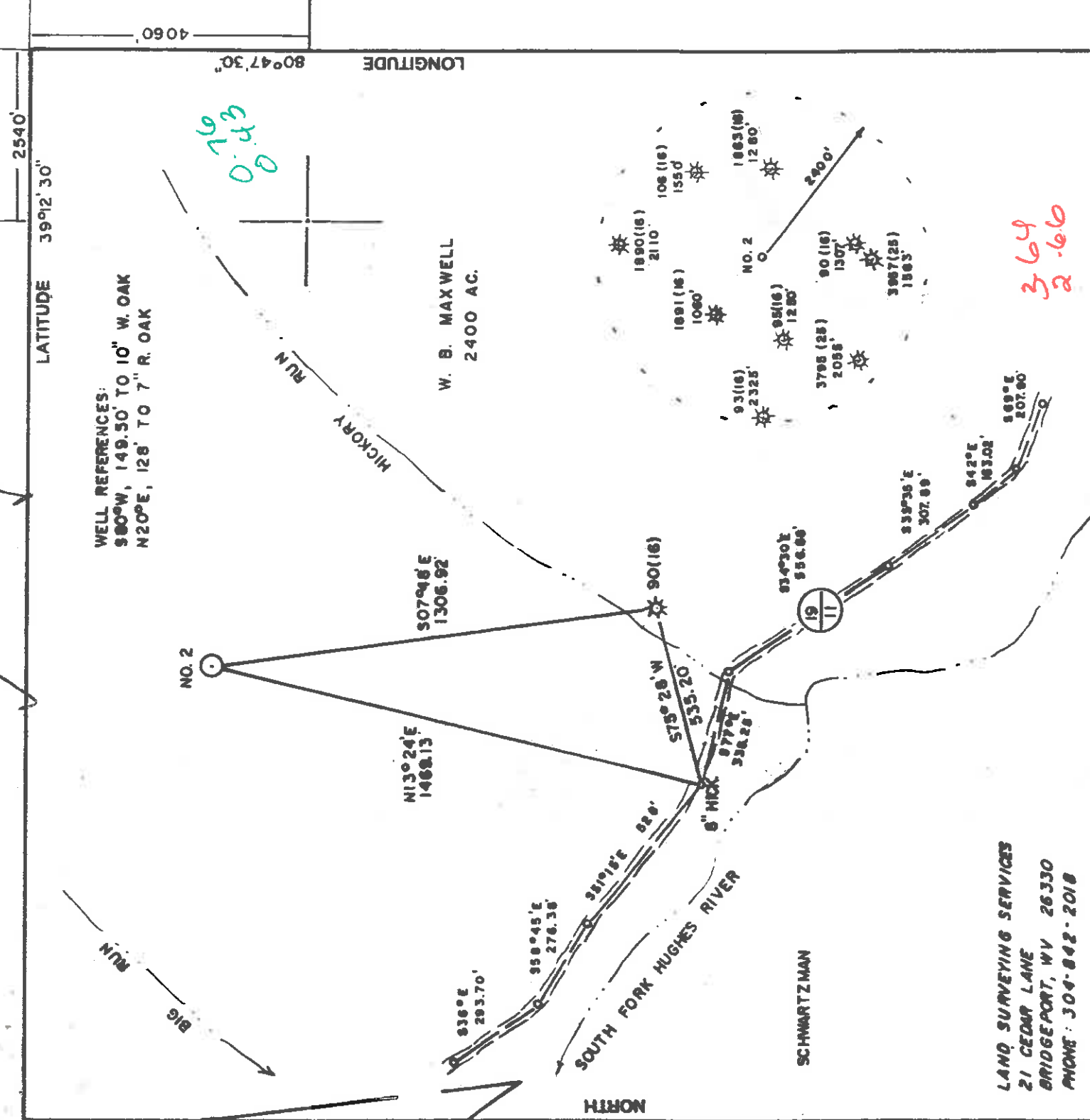
**STATE OF WEST VIRGINIA**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
**OFFICE OF OIL AND GAS**

DATE: September 10 20 07  
OPERATOR'S WELL NO: WV150871  
API WELL NO: 47-017-04131  
STATE 47 COUNTY 017 PERMIT 04131F  
MORROWELL #2

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1208' WATERSHED South Fork Hughes River  
QUADRANGLE: Oxford DISTRICT: Southwest COUNTY: Doddridge  
SURFACE OWNER: I.L. (Ike) Morris c/o Steve Holloway  
OIL AND GAS ROYALTY OWNER: W. B. Maxwell Heirs  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  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: Alexander ESTIMATED DEPTH: 5400'

ACREAGE: 6603.75 AC.  
LEASE NO: 090490  
ACREAGE: 2400 AC.

WELL OPERATOR: Equitable Production Company, Inc. DESIGNATED AGENT: L. Todd Tetrick  
ADDRESS: 1710 Pennsylvania Ave. ADDRESS: 1710 Pennsylvania Ave.  
NOV 16 2007



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

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION R.D. INTER. 2000' SOUTH OF LOCATION ELEV. - 886'

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 ENERGY.  
 (SIGNED) \_\_\_\_\_  
 R.P.E. \_\_\_\_\_ L.L.S. 674  
 STEPHEN D. LOSH

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF ENERGY  
 OIL AND GAS DIVISION



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

LOCATION: ELEVATION 1219 WATER SHED SOUTH FORK HUGHES RIVER

DISTRICT SOUTH WEST COUNTY DODDRIDGE

QUADRANGLE OXFORD 7.5 min. *Hot water* NB

SURFACE OWNER BEATRICE SCHWARTZMAN

OIL & GAS ROYALTY OWNER W. B. MAXWELL LEASE ACREAGE 2400

PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 3300'

WELL OPERATOR UMC PETROLEUM CORP. DESIGNATED AGENT GREG SHOCKLEY

ADDRESS P.O. DRAWER 1738 4584 ADDRESS P.O. DRAWER 1738 CLARKSBURG, WV 26302-1738

JUNE 5 1994

CLARKSBURG, WV 26302-1738

DATE APRIL 05 1994  
 OPERATOR'S WELL NO. MAXWELL NO. 2  
 API WELL NO. 47-017-4131

STATE COUNTY PERMIT

WASTE DISPOSAL  
 DEEP SHALLOW X  
 SOUTH FORK HUGHES RIVER

WATER SHED SOUTH FORK HUGHES RIVER

DISTRICT SOUTH WEST COUNTY DODDRIDGE

QUADRANGLE OXFORD 7.5 min. *Hot water* NB

SURFACE OWNER BEATRICE SCHWARTZMAN

OIL & GAS ROYALTY OWNER W. B. MAXWELL LEASE ACREAGE 2400

PROPOSED WORK: DRILL X 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 ALEXANDER ESTIMATED DEPTH 3300'

WELL OPERATOR UMC PETROLEUM CORP. DESIGNATED AGENT GREG SHOCKLEY

ADDRESS P.O. DRAWER 1738 4584 ADDRESS P.O. DRAWER 1738 CLARKSBURG, WV 26302-1738

JUNE 5 1994

CLARKSBURG, WV 26302-1738

6-6-122



State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Well Operator's Report of Well Work

Farm Name: SCHWARTZMAN, BEATRICE Operator Well No.: MAXWELL #2

LOCATION: Elevation: 1,219.00 Quadrangle: Oxford

District: Southwest County: Doddridge  
Latitude: 4060 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude 2540 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: UMC PETROLEUM CORPORATION  
P.O. DRAWER 1738  
CLARKSBURG, WV 26301-1738

Agent: GREGORY A. SHOCKLEY

Inspector: MIKE UNDERWOOD  
Permit Issued: 06/01/94  
Well work Commenced: 06/17/94  
Well Work Completed: 06/23/94  
Verbal Plugging

Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5400'  
Fresh Water depths (ft) 100', 1379' Damp

Salt water depths (ft) \_\_\_\_\_ None \_\_\_\_\_  
Is coal being mined in area (Y/N)? N  
Coal Depths (ft): 635' - 637'

OPEN FLOW DATA

Balltown }  
Benson/Riley } \*  
Producing formations Alexander } pay zone depth (ft) 3264' - 3390'  
Gas: Initial open flow MCF/d Oil: Initial open flow 4446' - 5030'  
Final open flow \* 850 MCF/d Final open flow 5156' - 5206' Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Bbl/d  
Static rock Pressure \*1200 psig (surface pressure) after \_\_\_\_\_ 24 Hours

\* Co-mingled

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: UMC Petroleum Corporation

By: ACB /DISTRICT MANAGER

Date: 7-12-94

JUL 15 1994

Perforated Alexander from 5156' - 5206' with 18 shots. Broke down with 500 gals. 15% HCL. Fraced with gelled water with 200 Scf N<sub>2</sub>/Bbl, 10,000# 80/100 sand and 35,000# 20/40 sand. Break = 1,150#, AIR = 25 BPM, ATP = 1,980#, ISIP = 1,800#.

Perforated Benson/Riley from 4446' - 5030' with 15 shots. Broke down with 750 gals. 15% HCL. Fraced with gelled water with 200 Scf N<sub>2</sub>/bll, 6,300# 80/100 sand and 25,000# 20/40 sand. Break = 1,600#, AIR = 21.5 BPM, ATP = 2,350#, ISIP = 1,950#.

Perforated Balltown from 3264' - 3390' with 17 shots. Broke down with 500 gals. 15% HCL. Fraced with gelled water with 200 Scf N<sub>2</sub>/Bbl, 9,500# 80/100 sand and 30,000# 20/40 sand. Break = 220#, AIR = 28 BPM, ATP = 2,580#, ISIP = 900#.

<u>Formation</u>	<u>Color</u>	<u>Hard or Soft</u>	<u>Top</u>	<u>Bottom</u>	<u>Oil, Gas Or Water</u>	<u>Depth</u>	<u>Remarks</u>
Top Soil			0	10			
Shale			10	65			
Sand			65	135	Water	100'	1/2" stream
Sd & Sh			135	320			
Red Rock			320	354			
Sd & Sh			354	530			
Sand			530	555			
Shale			555	600			
sand			600	635			
Coal			635	637			
Sand			637	655			
Sh & RR			655	1000			
Sand			1000	1405	Water	1379'	Damp
Sd & Sh			1405	1850			
L. Lime			1850	1860			
Shale			1860	1872			
B. Lime			1872	1930			
Sand			1930	1975			
Sd & Sh			1975	2165			
Sand			2165	2290			
Sd & Sh			2290	3245			
Sand <i>Balltown</i>			3245	3285			
Sd & Sh			3285	3980			
Sand			3980	4050			
Sd & Sh			4050	4425			
Sand			4425	4460			
Sd & Sh <i>Riley</i>			4460	4848			
Sand			4848	4858			
Sd & Sh <i>Ailey</i>			4858	5400			TD

FORM WW-2B

MAY 16 94

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

WELL WORK PERMIT APPLICATION

4587  
① 526

1) Well Operator: UMC Petroleum Corporation (50410)

2) Operator's Well Number: Maxwell #2 3) Elevation: 1219'

4) Well type: (a) Oil  or Gas

(b) If Gas: Production  / Underground Storage  / Shallow

19182 ) Proposed Target Formation(s): Alexander 439

) Proposed Total Depth: 5350' feet

) Approximate fresh water strata depths: None (From 47-017-0093)

) Approximate salt water depths: None (From 47-017-0093)

9) Approximate coal seam depths: None (From 47-017-0093)

10) Does land contain coal seams tributary to active mine? Yes  No

11) Proposed Well Work: To drill and frac new well.

12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	16"	N/A	Used PE	40'	40'	CIS B: F-44
Fresh Water	11 3/4"	Limited Service	32#	200'	200'	CTS 38508811
Coal	8 5/8"	J-55	24#	1350'	1350'	CTS 38508811
Intermediate						
Production	4 1/2"	J-55	10.5#		5350'	300
Tubing						38508811
Liners						

PACKERS : Kind \_\_\_\_\_

Sizes \_\_\_\_\_

Depths set \_\_\_\_\_

062945  
11  
For Division of Oil and Gas Use Only  
 Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond \_\_\_\_\_ (Type)



1) Date: May 13, 1994  
2) Operator's well number  
Maxwell #2

3) API Well No: 47 - 017 - 4131  
State - County - Permit

MAY 16 94

Permitting

Office of Oil & Gas STATE OF WEST VIRGINIA

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Beatrice Schwartzman  
Address 2520 30th Street NW  
Washington, D.C. 20008

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_  
Address \_\_\_\_\_

5) (a) Coal Operator:

Name \_\_\_\_\_  
Address \_\_\_\_\_

(b) Coal Owner(s) with Declaration  
Name Beatrice Schwartzman  
Address 2520 30th Street NW  
Washington, D.C. 20008

Name See Attached  
Address \_\_\_\_\_

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426

Telephone (304)-782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator UMC Petroleum Corporation

By: Gregory A. Shockley

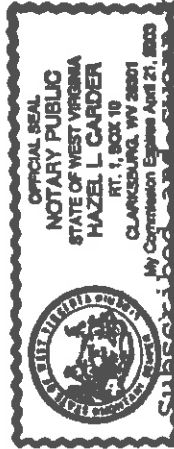
Its: District Manager/Designated Agent

Address P.O. Drawer 1738

Clarksburg, WV 26302

Telephone (304) 624-9653

Signature \_\_\_\_\_ before me this 13th day of May, 1994



Hazel L. Carder

My commission expires April 21, 2003

Notary Public





017-4131

ATTACHMENT to  
Form WW2-A  
Maxwell #2 Well

Coal Owner:

James Horner Davis III  
William Maxwell Davis  
John Brent Maxwell  
Winifred M. Sawyer  
Jean M. Fowler  
Ruth M. Johnson Heirs  
c/o Union Natinal Bank, AIF  
P.O. box 2330  
Clarksburg, WV 26301



API # 470170413100 **FAC**

**State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  
Well Operator's Report of Well Work**

Farm Name I.L. (Ike) Morris c/o Steve Holloway Well Number 150871

Location Elevation 1,208 Quadrangle OXFORD  
District Southwest County Doddridge, WV  
Latitude 4070 FSL 39.00 Minute 12.00 Second 30.00  
Longitude 2510 FWL 80.00 47.00 30.00

Company EQT Production Company  
1710 Pennsylvania Avenue Charleston,  
WV 25328

Agent Cecil Ray  
Inspector Mike Underwood  
Permit Issued 11/16/2007

Well Work Commenced 6/3/08  
Well Work Completed 07/31/2008  
Verbal Plugging

Permission granted on \_\_\_\_\_  
Rotary Rig  Cable Rig \_\_\_\_\_

Total Depth 5,262

Water Encountered

Type From  
previously rptd

Coal & Open Mines

Type From  
previously rptd

RECEIVED  
DIVISION OF OIL AND GAS  
OFFICE OF PERMITS  
1000 BANKERS BUILDING  
CHARLESTON, WV 25301  
AUG 13 2009

**Open Flow Data**

Producing Formation \_\_\_\_\_  
Weir \_\_\_\_\_

Gas: Initial Open Flow \_\_\_\_\_ MCF \_\_\_\_\_ Date \_\_\_\_\_  
Final Open Flow 35 MCF 08/01/2008 Date \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ 0 hours  
Static Rock Pressure 180 after \_\_\_\_\_ 0 hours

**Second Producing Formation**

Gas: Initial Open Flow \_\_\_\_\_ MCF \_\_\_\_\_ Date \_\_\_\_\_  
Final Open Flow \_\_\_\_\_ MCF \_\_\_\_\_ Date \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static Rock Pressure \_\_\_\_\_ after \_\_\_\_\_ hours

NOTE: On back of this form put the following

- 1) Details of Perforated intervals, fracturing or stimulating, physical change, etc.
- 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

By Paula Date 8/14/09

Pay Zone Depth (ft): See attached for details

Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
Final Open Flow \_\_\_\_\_

Pay Zone Depth (ft) \_\_\_\_\_  
Oil: Initial Open Flow \_\_\_\_\_ Bbl/d  
Final Open Flow \_\_\_\_\_

RECEIVED  
Office of Oil & Gas  
A.P.R. # 2009  
WV Department of  
Environmental Protection

AUG 07 2009

Well Number 150874

AP1 # 470170413100

**EQT Company**  
**WR-35 Completion Report - Attachment**  
**Well Treatment Summary**

Stage 1		Stage 2		Stage 3	
Date	06/21/2008	Date	06/21/2008	Date	06/21/2008
FractType	X-Link	FractType	X-Link	FractType	X-Link
Zone	Weir	Zone	Injun	Zone	Salt Sand
# of Perfs	39	# of Perfs	28	# of Perfs	19
From/To	2,180- 2,266	From/To	1,980- 2,012	From/To	1,726- 1,732
BD Press	2,621	BD Press	1,875	BD Press	3,560
ATP Psi	2,461	ATP Psi	2,323	ATP Psi	2,179
Avg Rate	33	Avg Rate	34	Avg Rate	29
Max Press Psi	2,498	Max Press Psi	2,431	Max Press Psi	3,495
ISIP Psi	1,707	ISIP Psi	1,441	ISIP Psi	1,382
10min SIP	1,545	10min SIP	1,273	10min SIP	1,329
5 min Frac Gradient	5 min. 1.17	5 min Frac Gradient	5 min. 1.14	5 min Frac Gradient	5 min. 1.20
Sand Proppant	400.00	Sand Proppant	300.00	Sand Proppant	
Water-bhl	567	Water-bhl	434	Water-bhl	0
SCF N2	108,000	SCF N2	87,000	SCF N2	
Acid-gal	1,000 gal 15%HCL	Acid-gal	500 gal 0% HCL	Acid-gal	0 gal
Formation Name Previously reported		Depth To	0	Depth Bottom	0.00
				Formation Thick	

**Gas Tests**

Depth      Remarks

No plat

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas  
Well Operator's Report of Well Work

API # 4701704131 W I ✓

Farm Name I.L. (like) Morris c/o Steve Holloway Well Number 150871

Location Elevation 1,208 Quadrangle OXFORD  
District Southwest County Doddridge, WV  
Latitude 4070 FSL 39.00 Degree 12.00 Minute 30.00  
Longitude 2510 FWL 80.00 47.00 Second 30.00

Company EQT Production Company  
1710 Pennsylvania Avenue Charleston,  
WV 25328

Agent Cecil Ray

Inspector Mike Underwood

Permit issued 11/16/2007

Well Work Commenced 3/31/2008

Well Work Completed 07/31/2008

Verbal Plugging

Permission granted on

Rotary Rig  Cable Rig

Total Depth 5,262

Water Encountered

Type From

Previously reported

RECEIVED  
OFFICE OF ENVIRONMENTAL PROTECTION  
AUG 19 2008

Coal & Open Mines

Type From

Previously reported

ENVIRONMENTAL PROTECTION  
AUG 19 2008

Open Flow Data

Producing Formation Well : Injun ; Salt Sand : Pay Zone Depth (ft): See attached for details

Gas: Initial Open Flow 0 MCF 08/01/2008 Date Off: Initial Open Flow Bbl/d  
Final Open Flow 35 MCF 08/01/2008 Date Final Open Flow

Time of open flow between initial and final tests 0 hours

Static Rock Pressure 180 after 0 hours

Second Producing Formation

Pay Zone Depth (ft)

Gas: Initial Open Flow MCF Date Off: Initial Open Flow Bbl/d

Final Open Flow MCF Date Final Open Flow

Time of open flow between initial and final tests after hours

Static Rock Pressure after hours

NOTE: On back of this form put the following:

- 1) Details of Perforated intervals, fracturing or stimulating, physical change etc.
- 2) The well log, a systematic detailed geological record of all formations including coal encountered in the well bore

By [Signature] Date 8/14/08  
For Equitable Production Company

OCT 23 2008

DODD 4131 W

Well Number 150871

**EQT Company  
WR-35 Completion Report - Attachment  
Well Treatment Summary**

API # 470170413100

Run 1		Run 2		Run 3	
Date	06/21/2008	Date	06/21/2008	Date	06/21/2008
FractTyp	X-Link	FractTyp	X-Link	FractTyp	X-Link
Zone Weir		Zone Injun		Zone Salt Sand	
# of Perfs	39	# of Perfs	28	# of Perfs	19
From/To	2,180- 2,266	From/To	1,980- 2,012	From/To	1,726- 1,732
BD Press	2,621	BD Press	1,875	BD Press	3,560
ATP Psi	2,461	ATP Psi	2,323	ATP Psi	2,179
Avg Rate	33	Avg Rate	34	Avg Rate	29
Max Press Psi	2,498	Max Press Psi	2,431	Max Press Psi	3,495
ISIP Psi	1,707	ISIP Psi	1,441	ISIP Psi	1,382
10min SIP	1,545 5 min.	10min SIP	1,273 5 min.	10min SIP	1,329 5 min.
Fract Gradient	1.17	Fract Gradient	1.14	Fract Gradient	1.20
<b>Sand Proppant</b>	<b>400.00</b>	<b>Sand Proppant</b>	<b>300.00</b>	<b>Sand Proppant</b>	
Water-bbl	567	Water-bbl	434	Water-bbl	0
SCF N2	108,000	SCF N2	87,000	SCF N2	
Acid-gal	1,000 gal 15%HCL	Acid-gal	500 gal 0% HCL	Acid-gal	0 gal
Formation Name Previously reported		Depth To 0.00	Depth Bottom 0	Formation Thick 0.00	

**Gas Tests**

Depth      Remarks

*Previously reported*

06/21/2008