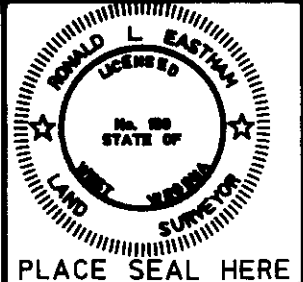


( ) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1: 5013  
 PROVEN SOURCE OF ELEVATION U.S.G.S. MON. '43-8K6'  
 Elev. = 1680.79

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 THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) Ronald L. Eastman  
 R.P.E. \_\_\_\_\_ L.L.S. \_\_\_\_\_



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

DATE May 20 19 93  
 OPERATOR'S WELL NO. 101, SN 148481  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 2371.04 WATER SHED Workman Creek of Clear Fork of Big Coal River  
 DISTRICT Clear Fork COUNTY Raleigh  
 QUADRANGLE Eccles

SURFACE OWNER Rowland Land Company, Ltd. ACREAGE 1,794.745  
 OIL & GAS ROYALTY OWNER Rowland Land Company, Ltd. LEASE ACREAGE 47,340.87

PROPOSED WORK: DRILL \_\_\_ CONVERT X DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  
 LEASE NO. 80594  
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_

TARGET INFORMATION Gordon ESTIMATED DEPTH 4,150' KB

WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT A. Ray Chandler  
 ADDRESS P.O. Box 391 Ashland, Ky. 41114 ADDRESS Rt. 6 P.O. Box 118 Charleston, W.V. 25311

FORM WW-6

COUNTY NAME PERMIT

6-6248



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

Well Operator's Report of Well Work

Farm Name: Rowland Management Corp. Operator Well No.: 101-S-148481

LOCATION: Elevation: 2371.04' Quadrangle: Eccles  
District: Clear Fork County: Raleigh

Latitude: 4525 Feet South of 37 Deg. 52 30  
Longitude: 9775 Feet West of 81 Deg. 20 0

Company: Equitable Production Company  
P.O. Box 2347, 1710 Pennsylvania Avenue  
Charleston, WV 25328

Agent: Stephen G. Perdue

Inspector: Rodney Dillon

Permit Issued: 5/22/2001

Well work commenced: 04/27/01

Well work completed: 05/30/01

Verbal Plugging

Permission granted on: \_\_\_\_\_

Rotary Rig X Cable Rig \_\_\_\_\_

Total Depth 2690 feet PP depth \_\_\_\_\_

Fresh water depths (ft) previously reported

Salt water depths (ft) previously reported

Is coal being mined in area? \_\_\_\_\_

Coal Depths (ft): previously reported

Casing & Tubing Size	Used In Drilling	Left In Well	Cement Fill Up Cu. Ft.
csg	previously	reported	
2-3/8"		2466'	

OPEN FLOW DATA

Producing formation Middle Maxton Pay Zone Depth (ft): \_\_\_\_\_ See Attach for details

Gas: Initial open flow 59 MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow: 133 MCF/d Final open flow: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure 365 psig (surface pressure) after \_\_\_\_\_ Hours

Second producing formation Pay Zone Depth (ft): \_\_\_\_\_

Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow: \_\_\_\_\_ MCF/d Final open flow: \_\_\_\_\_

Time of open flow between initial and final tests \_\_\_\_\_ Hours

Static rock pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

RECEIVED  
AUG 17 2004

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.

Kathy Sawyer  
For: Equitable Production Company

By: Victoria Dwyer - Drilling Tech  
Date: 9 Aug 04

RAL 0996

DEC 30 2004

✓

**EQUITABLE PRODUCTION COMPANY**  
**WR-35 COMPLETION REPORT - Attachment**  
**Well Treatment Summary**

Well: Rowland Management Corp A-101

API# 47-081-00996PP

Date						
Type Frac Acid, N <sub>2</sub> , Foam, Water						
Zone Treated						
# Perfs From - To:						
BD Pressure @ psi						
ATP psi						
Avg. Rate, B=B/M, S= SCF/M						
Max. Treat Press psi						
ISIP psi						
Frac Gradient						
10 min S-I Pressure						
Material Volume						
Sand-sks						
Water-bbl						
SCF N <sub>2</sub>						
Acid-gal						
NOTES:	Previously reported on original report					

**TOP      BOTTOM      FORMATION      REMARKS**  
 Formations reported on original report

RECEIVED  
 OILFIELD SERVICES  
 AUG 17 2004

ESTIMATED COSTS  
 \$100,000.00

DEC 3 0 2004

DEC 3 0 2004

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

Well Operator's Report of Well Work

Permitting  
Office of Oil & Gas  
Farm Name: ROWLAND MANAGEMENT CORP. Operator Well No.: 101-S-148481

Location: Elevation: 2,371.04 Quadrangle: ECCLES  
District: CLEAR FORK County: RALEIGH  
Latitude: 4525 Feet South of 37 Deg. 52 Min. 30 Sec.  
Longitude: 9775 Feet West of 81 Deg. 20 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.  
P.O. BOX 391, AT-9  
ASHLAND, KY 41114-0391

Agent: B. E. Widener

Inspector: RODNEY DILLON  
Permit Issued: 03-28-95  
Well Work Commenced: 06-10-95  
Well Work Completed: 08-04-95  
Verbal Plugging  
Permission granted on:  
Rotary  Cable  Rig  
Total Depth (feet) 4154' PBTB 3930'  
Fresh water depths (ft) 140'  
Salt water depths (ft) 2759'

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Size 13 3/8"	32'	32'	2.36
9 5/8"	175'	175'	7.08
7"	574'	574'	118
4 1/2"	4125'	4125'	165.2

Is coal being mined in area (Y/N)? Y  
Coal Depths (ft): 230-32; 270-74; 279-81;  
499-501'

OPEN FLOW DATA	Middle Weir	3402-3425
	Big Lime	2998-3004
Producing formation	Middle Maxton	Pay zone depth (ft) 2424-2450
Gas: Initial open flow	894	MCF/d Oil: Initial open flow -- Bbl/d
Final open flow	540	MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests		3 Hours
Static Rock Pressure	420	psig (surface pressure) after 72 Hours
Second producing formation	--	Pay zone depth (ft) --
Gas: Initial open flow	--	MCF/d Oil: Initial open flow -- Bbl/d
Final open flow	--	MCF/d Final open flow -- Bbl/d
Time of open flow between initial and final tests		-- Hours
Static Rock Pressure	--	psig (surface 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 WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Ashland Exploration, Inc.

By: Scott A. Arnold Scott A. Arnold, Asst. Eng.  
Date: 9/11/95 09-11-95

	<u>Top</u>	<u>Bottom</u>
Lee Formation	0	- 1639
Pennington	1639	- 2801
Princeton	1724	- 1658
Ravenclyff	2050	- 2072
Avis Lime	2088	- 2122
M. Maxton	2410	- 2454
L. Maxton	2672	- 2789
Little Lime	2801	- 2907
Big Lime	2907	- 3240
Bordon Fmt.	3240	
M. Weir	3389	- 3434
L. Weir	3488	- 3534
Sunbury Shale	3783	- 3802
Berea	3802	- 3831
Devonian Shale	3831	- TD
Gordon	3983	- 4013
LTD	4142'	
DTD	4154'	

### Well Treatment

Perf M. Weir w/3 1/8" HCG 4 spf 0.34 JRC jets 37H/3416-3425' KB & 33H/3402-3410' KB. Xlink gel frac M. Weir w/20 BPM rate 30,100# 20/40 sand ramped 1-8 ppg. BD 2630, ATP 450, ISIP 15, 10 min 20, TF 239 bbl.

Perf Big Lime w/3 1/8" HCG 4 spf 0.34 JRC jets 25H/2998-3004. Acidize Big Lime w/3000 gal 12.2-14.4% HCl-Fe @ 7 BPM. Displace w/48 bbl wtr. BD 1524, ATP 650, ISIP 450, 10 min 85, TF 119 bbl total acid & flush.

Perf M. Maxton w/3 1/8" HCG 0.34 JRC jets 33H/2442-2450, 9H/2435-2437 & 21H/2424-2429 (63H total). Xlink gel frac M. Maxton w/41,300# 20/40 sand ramped from 1-8 ppg. BD 1095, ATP 900 @ 20 BPM dirty, ISIP 1457, 10 min 170, TF 228 bbls acid & water, 257 bbl dirty.