

FILE NO. ROWLANDLANDB-36.DGN
 DRAWING NO. ROWLAND LAND B-36
 SCALE 1" = 1000'
 MAXIMUM DEGREE OF
 ACCURACY 1:200
 GIVEN SOURCE OF
 INFORMATION OPERATOR'S WELL
RECORDS

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 REGU-
 LATIONS ISSUED AND PRESCRIBED BY THE DEPART-
 MENT OF ENVIRONMENTAL PROTECTION.
 (SIGNED) [Signature]
 R.P.E. _____ L.L.S. 647

USGS BM X
 ELEV. (1330')
 PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION

DATE FEBRUARY 28, 20 03
 OPERATOR'S WELL NO. ROWLAND LAND B-36
 API WELL NO. SER. NO. 131411

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

LOCATION: ELEVATION 1149.2 WATER SHED HORSE CREEK
 DISTRICT MASRH FORK COUNTY RALEIGH
 QUADRANGLE DOROTHY, WV 7.5'

SURFACE OWNER ROWLAND LAND COMPANY, LTD. ACREAGE 3,950.56
 OIL & GAS ROYALTY OWNER ROWLAND LAND COMPANY, LTD. LEASE ACREAGE 47.069
 LEASE NO. 080594

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 _____ ESTIMATED DEPTH _____

OPERATOR EQUITABLE PRODUCTION COMPANY DESIGNATED AGENT RICHARD SMELTZER
 ADDRESS P.O. BOX 2347, CHARLESTON, WV 25328 ADDRESS SAME

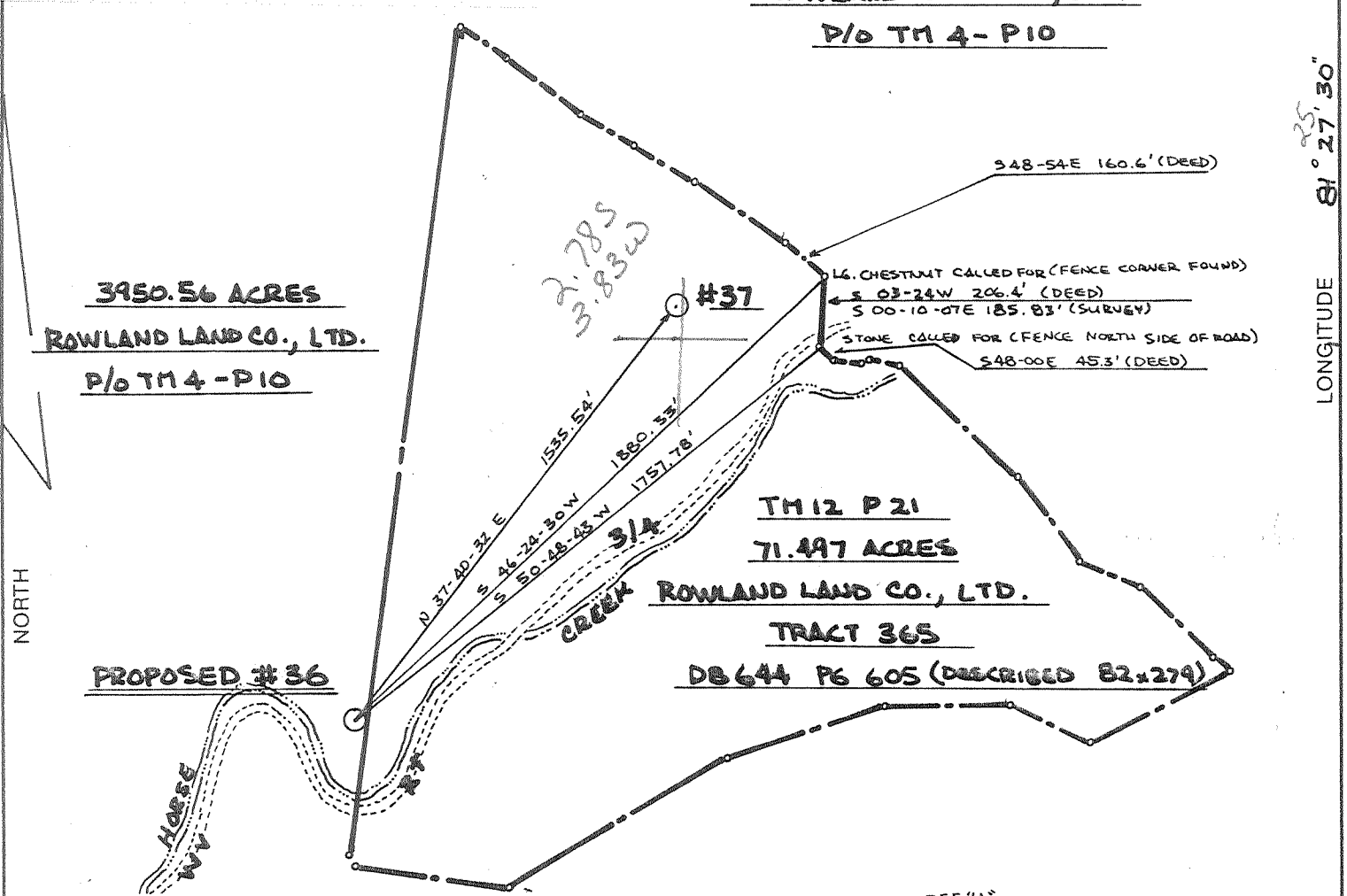
COUNTY NAME RALEIGH
 PERMIT 0766P
 MAR 2 1 2003

CO: 081 PMT: 766
 Loc Disitized from OGIS 7.5' Mylar
 QUAD: 325 DATE: 9-FEB-90
 LAT: 37 55.0 Miles South: 2.77
 LONG: 81 27.5 Miles West : 1.58

8300'
 LATITUDE 37° 55' 00"

3950.56 ACRES
ROWLAND LAND CO., LTD.
P/O T14-P10

3950.56 ACRES
ROWLAND LAND CO., LTD.
P/O T14-P10



SURVEY TIES:

MONUMENT NO. 3 TO #36: S 78-26-29 E 13328.5'
 MONUMENT NO. 4 TO #36: S 79-18-42 E 14329.7'

COAL COORDINATES:

N: 889576.26
 E: 3230097.18

REFERENCES

1" = 50'

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

FILE NO. AW-081-017
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 IN 10000
 PROVEN SOURCE OF ELEVATION BM MOUTH OF HORSE CREEK (1075')

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) Ray James Capper
 R.P.E. 9456 L.L.S. _____



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE 1 JUNE, 19 87
 OPERATOR'S WELL NO. ROWLAND NO. 36
 API WELL NO. 47-081-0766

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

LOCATION: ELEVATION 1149.2' WATERSHED HORSE CREEK
 DISTRICT MARSH FORK 2 COUNTY RALEIGH
 QUADRANGLE DOROTHY 7.5' 325 036 W04 Foclas

SURFACE OWNER ROWLAND LAND COMPANY, LTD. ACREAGE 3950.56
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE 15,000
 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

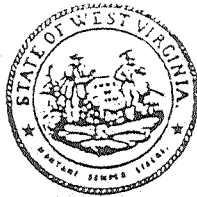
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 5900'
 WELL OPERATOR ALLEGHENY + WESTERN DESIGNATED AGENT DENNIS L. MANN
 ADDRESS P.O. BOX 2587 ADDRESS P.O. BOX 2587
CHARLESTON, WV 25329 CHARLESTON, WV 25329

JUN 22 1987

FORM WW-6
 H.T. HALL 48673

LONGITUDE 81° 27' 30"
 COUNTY NAME
 PERMIT

DEEP WELL 6-6 Hopkins Fork - Jarrolds Valley (247)



IV-35
(Rev 8-81)

Date November 1 1987

RECEIVED
NOV 12 1987

State of West Virginia

Department of Mines
Oil and Gas Division

Operator's Rowland 36
Well No. Rowland 36
Farm Rowland Land
API No. 47 - 081 - 0766

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1149.2 Watershed Horse Creek

District: Marsh Fork County Raleigh Quadrangle Dorothy 7.5

COMPANY Allegheny & Western Energy Corp

ADDRESS P.O. Box 2587, Charleston, W.Va., 25329

DESIGNATED AGENT Dennis L. Mann

ADDRESS P.O. Box 2587, Charleston, W.Va., 25329

SURFACE OWNER Rowland Land Co

ADDRESS 1033 Quarrier St, Charleston W.VA.

MINERAL RIGHTS OWNER Same

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Rodney
Dillon ADDRESS Sophia, W.Va.

PERMIT ISSUED 6/16/87

DRILLING COMMENCED 6/21/87

DRILLING COMPLETED 6/28/87

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 Cord.			
13-10"	80	80	100 sks
9 5/8"	1200	1200	415 sks
8 5/8"			
7"			
5 1/2"			
4 1/2"	5765	5765	300 sks
3"			
2"			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 5900 feet

Depth of completed well 5800 feet Rotary x / Cable Tools

Water strata depth: Fresh 30 feet; Salt 400 feet

Coal seam depths: N/A Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Weir Pay zone depth 2304 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Ebl/d

Final open flow 350 Mcf/d Final open flow Ebl/d

Time of open flow between initial and final tests 24 hours

"Static" rock pressure 1140 psig (surface measurement) after 24 hours shut in

(If applicable due to multiple completion--)

Second producing formation Devonian Shale Pay zone depth 2712 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Ebl/d

Final open flow 400 Mcf/d Oil: Final open flow Ebl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 1140 psig (surface measurement) after 24 hours shut in

(Continue on reverse side)

NOV 16 1987

750Mcf
POF for
well

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

2304-3608 perf w/ 39 holes frac w/ 60,000# 20/50 sd + 781,000 scf n2
 3730-4685 perf w/ 47 holes frac w/ 60,000# 20/50 sd + 1,376,000 scf n2
 4756-5560 perf w/ 46 holes frac w/ 60,000# 20/50 sd + 1,356,000 scf n2

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NOV 12 1987

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
sand & shale			0	1679	
maxon			1679	1770	
shale			1770	1804	
little lime			1804	1910	
pencil cave			1910	1922	
big lime			1922	2234	
shale			2234	2298	
weir			2298	2457	
shale			2457	2697	
sunbury shale			2697	2712	
sandysiltstone & shale			2712	2900	
gordon			2900	2923	
grey & brown shale			2923	5116	
black & grey shale			5116	5680	
marcellus shale			5680	5742	
onondaga			5742	5800	TD. 5800 KB.
404	2712				
813	3912				
822	4662				
825	4862				
830	5162				
835	5462	Q			

(Attach separate sheets as necessary)

Allegheny & Western Energy Corp
Well Operator

By: David K. Mc... Vice President

Date: November 1, 1987

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 minerals, encountered in the drilling of a well."



1) Date: 6 June, 1987
 2) Operator's Well No. Rowland Land Company #36
 3) API Well No. 47 081 0766
 State County Permit

7/85
RECEIVED
 JUN 15 1987

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

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil XXX / Gas XXX /
 B (If "Gas", Production XXX / Underground storage / Deep / Shallow XXX /)
- 5) LOCATION: Elevation: 1149.2' Watershed: Horse Creek
 District: Marsh Fork 2 County: Raleigh 081 Quadrangle: Dorothy 7.5' 325
- 6) WELL OPERATOR A&W Energy Corp. CODE: 1100 7) DESIGNATED AGENT Dennis L. Mann
 Address Post Office Box 2587 Address Post Office Box 2587
Charleston, WV 25329 Charleston, WV 25329
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Rodney Dillon 9) DRILLING CONTRACTOR:
 Name Milt Shafner
 Address Sophia, WV 25921 Address NA
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper / Redrill / Stimulate XXX /
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Weir, Devonian Shales
 12) Estimated depth of completed well, 5900' feet
 13) Approximate strata depths: Fresh, 30 feet; salt, 400 feet.
 14) Approximate coal seam depths: Is coal being mined in the area? Yes / No XXXX /
- 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	9-5/8	smls	32 #	X		1064	1064	300 sks cts	by rule 15.05
Coal	7	smls	23 #	X		2844	2844	200 sks	Sizes
Intermediate									
Production	4-1/2	smls	10.5#	X		5900	5900	200-400 sks	Depths set or as required
Tubing									by rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-081-0766 Date June 16 19 87

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 June 16, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u> </u>	Plat: <u>AB</u>	Casing: <u>AS</u>	Fee: <u>5833</u> <u>211</u>	WBCP: <u>AS</u>	S&E: <u>AS</u>	Other: <u> </u>
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas File

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

10301

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE 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.

Farm name: Rowland Land Company Operator Well No: Rowland Land # B-36

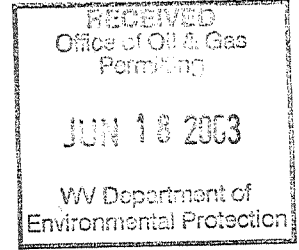
LOCATION: Elevation: 1149ft. Quadrangle: Dorothy 7.5
District: Marsh Fork County: Raleigh
Latitude: 14,740' Feet South of 37 Deg. 55 Min. 00 Sec.
Longitude: 8,240' Feet West of 81 Deg. 27 Min. 30 Sec.

Well Type: OIL _____ GAS XXXX

Company: Equitable Production Company Coal Operator % Rowland Management Co
P. O. Box 2347 or Owner . 405 Capital St., Suite # 609
Charleston, WV 25302 Charleston, WV 25301

Agent: Steve Perdue Coal Operator Massey Coal Services
or Owner 315 70th St., SE
Charleston, WV 25504

Permit Issued Date: 3/17/03



AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Raleigh ss:

John Clouser and Randy Riddle 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 Rick Campbell Oil and Gas Inspector representing the Director, say that said work was commenced on the 26th day of May, 2003 and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
<u>6" Bel between all plugs</u>				<u>13" 80' CTS</u>
<u>CMT 9sks</u>	<u>4750'</u>	<u>4650'</u>		<u>9 7/8" 1200' CTS</u>
<u>CMT 9sks</u>	<u>3700'</u>	<u>3600'</u>	<u>4 1/2" 1097'</u>	<u>4 1/2" 4668'</u>
<u>CMT 9sks</u>	<u>2400'</u>	<u>2300'</u>		
<u>CMT 9sks</u>	<u>1800'</u>	<u>1700'</u>		
<u>CMT 27sks</u>	<u>1220'</u>	<u>1050'</u>		
<u>CMT 36sks</u>	<u>450'</u>	<u>350'</u>		
<u>CMT 53sks</u>	<u>150'</u>	<u>0</u>		

Description of monument: Partial Plugging / Well still in production and that the work of partial plugging and filling said well was completed on the 4th day of June, 2003. 7" Csg 36" above surface w/API#

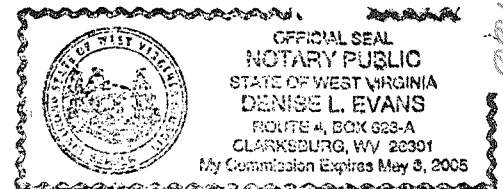
And further deponents saith not. John Clouser

Randy Riddle

Sworn and subscribe before me this 4th day of June, 192003

My commission expires: 3/31/2005
Denise L. Evans
Notary Public

Oil and Gas Inspector: Richard Campbell



JUN 27 2003

RAV 0760