



# LOG OF FORMATIONS

Well API#: **37-105-21149-00**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
SEE ATTACHED DRILLERS LOG						

**RECEIVED**

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NORTHWEST REGIONAL OFFICE

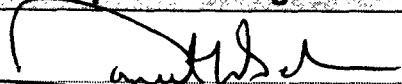
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*Please delete empty rows if necessary to make all of page 2 fit on one page.*

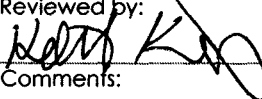
**Well Operator's Signature:**



Title:  
President

Date:  
10-30-06

**DEP USE ONLY**

Reviewed by:  
  
Comments:

Date:  
11-21-06



GUARDIAN EXPLORATION, LLC  
DRILLERS LOG  
WELL #RX-201

SPUD DATE: 05/11/06  
COMPLETION DATE: 05/16/06  
SIZE OF CONDUCTOR: 9 5/8"  
AMOUNT OF CONDUCTOR: 31.6'

CASING SIZE: 7"  
SURFACE CASING SET @: 502.4'  
CEMENT RETURNS: 5 BBLs.  
DATE CENTRALIZERS RUN: 5/12/06  
CENTRALIZERS SET @: 467'; 402'; 128'

0-15	ROCKS & DIRT (FRESH WATER 5 GPM)
15-127	RED ROCK
127-347	SHALE (FRESH WATER 10 GPM)
347-441	RED ROCK
441-796	SHALE
796-826	SAND
826-888	SHALE
888-918	SAND
918-1068	SHALE
1068-1188	SAND
1188-1400	SHALE
1400-1460	SAND (SMELL OF GAS)
1460-1552	SHALE
1552-1732	SAND (SMELL OF GAS)
1732-1984	SHALE
1984-2014	SAND
2014-2064	SHALE
2064-2094	SAND
2094-2500	SHALE
2500	T.D.

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SUPERIOR WELL SERVICES  
 PO BOX 458  
 BLACK LICK, PA 15716  
 724-248-1001 TELEPHONE  
 724-248-1005 FACIMILE  
 superiorwells.com

\*\*\*\*\* CUSTOMER & WELL INFORMATION \*\*\*\*\*

4321 07/07/2006  
 GUARDIEN REYNOLDS-RX#201  
 EXPLORATION  
 PENNSYLVANIA POTTER COUNTY  
 TROY ROULO  
 3-1/2;NPT;J-55; 9.20# - NONE -

\*\*\*\*\* TREATMENT SUMMARY \*\*\*\*\*

Finish	Formation	Top Interval	Low Interval	Treatment	Flush
STAGE: 1	05:09:47 AM	WARREN	902 FEET	50 SKS	3550 GAL 800 GAL
STAGE: 2	05:37:27 AM	BRADFORD 2ND	1080 FEET	50 SKS	3550 GAL 800 GAL
STAGE: 3	06:14:33 AM	CHIPMUNK 1ST	1253.5 FEET	80 SKS	5050 GAL 800 GAL
STAGE: 4	06:36:27 AM	CHIPMUNK SAND	1257.5 FEET	60 SKS	4050 GAL 900 GAL
STAGE: 5	06:54:14 AM	CHIPMUNK SAND	1262 FEET	70 SKS	4550 GAL 900 GAL
STAGE: 6	07:16:21 AM	CHIPMUNK SAND	1266 FEET	80 SKS	5050 GAL 900 GAL
STAGE: 7	07:38:07 AM	CHIPMUNK SAND	1270.5 FEET	90 SKS	5550 GAL 900 GAL
STAGE: 8	08:22:07 AM	HARRISBUR G-RUN	1591 FEET	80 SKS	5050 GAL 1000 GAL
STAGE: 9	09:25:11 AM	BRADFORD #3	1639 FEET	70 SKS	4550 GAL 1000 GAL
STAGE: 10	09:56:33 AM	LEWISRUN	1748 FEET	80 SKS	5050 GAL 1000 GAL

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