



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS MANAGEMENT PROGRAM

DEP USE ONLY	
Site Id	Primary Facility Id
Client Id	Sub-facility Id

MAY 17 2007

WELL RECORD AND COMPLETION REPORT

Well Operator Guardian Exploration, LLC		DEP ID# 237396	Well API # (Permit / Reg) 37-105-21271-00	Project Number	Acres
Address PO Box 225			Well Farm Name REYNOLDS	Well # RX801	Serial #
City Hunt	State TX	Zip Code 78024	County Potter	Municipality Pleasant Valley	
Phone 830-367-6022	Fax 830-367-6066	USGS 7.5 min. quadrangle map Shinglehouse			

Check all that apply: Original Well Record Original Completion Report Amended Well Record Amended Completion Report

WELL RECORD Also complete Log of Formations on back (page 2)

Well Type	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Oil	<input type="checkbox"/> Combination Oil & Gas	<input type="checkbox"/> Injection	<input type="checkbox"/> Storage	<input type="checkbox"/> Disposal
Drilling Method	<input checked="" type="checkbox"/> Rotary - Air	<input type="checkbox"/> Rotary - Mud	<input type="checkbox"/> Cable Tool			
Date Drilling Started 9/14/06	Date Drilling Completed 9/19/06	Surface Elevation 2030 ft.	Total Depth - Driller 2200 ft.	Total Depth - Logger 2205 ft.		

Casing and Tubing

Cement returned on surface casing? Yes No
Cement returned on coal protective casing? Yes No N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
12 1/4	9 5/8	36	THD.	25.4	DRILL CUTTINGS				9/14/06
8 3/4	7	17	THD.	518	90 SKS. CEMENT (CLASS A)	Centralizer	8 3/4 X 7	496 431,186	9/14/06
6 1/4	2 3/8	4.6	THD.	1775	NONE				10/11/06

COMPLETION REPORT

Perforation Record			Stimulation Record						
Date	Interval Perforated From	To	Date	Interval Treated	Fluid Type	Amount	Propping Agent Type	Amount	Average Injection
				SEE					
				FRAC					
				REPORT					
Natural Open Flow	15		Natural Rock Pressure	300 PSI			24 Hours	Days	
After Treatment Open Flow	N/A		After Treatment Rock Pressure	460 PSI			16 Hours	Days	

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Well Service Companies -- Provide the name, address, and phone number of all well service companies involved.

Name Superior Well Services	Name Dallas-Morris Drilling, Inc.	Name RECEIVED
Address P.O. Box 482	Address 29 Morris Lane	Address
City - State - Zip Bradford, PA 16701	City - State - Zip Bradford, PA 16701	City - State - Zip JUN 08 2007
Phone 814-368-6228	Phone 814-362-6493	Phone

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

LOG OF FORMATIONS

Well API#: 37-105-21271-00

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						

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NORTHWEST REGIONAL OFFICE

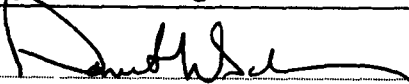
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NORTHWEST REGIONAL OFFICE

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

Well Operator's Signature:

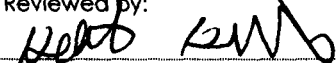


Title:
President

Date:
5-9-07

DEP USE ONLY

Reviewed by:



Date:

6-6-07

Comments:



**Plants &
Goodwin** INC.

OIL & GAS FIELD SERVICES

PAUL R. PLANTS
STEPHEN D. PLANTS

1034 ROUTE 44 • SHINGLEHOUSE, PA 16748 • (814) 697-6330 • (814) 697-7515 FAX

GUARDIAN EXPLORATION, LLC
DRILLERS LOG
REYNOLDS WELL #RX801

SPUD DATE: 09/14/06
COMPLETION DATE: 09/19/06
SIZE OF CONDUCTOR: 9 5/8"
AMOUNT OF CONDUCTOR: 25.4'

CASING SIZE: 7"
SURFACE CASING SET @: 518'
CEMENT RETURNS: 0 BBLs.
DATE CENTRALIZERS RUN: 9/14/06
CENTRALIZERS SET @: 496'; 431'; 186'

0-5	ROCKS & DIRT
5-26	SHALE
26-131	RED ROCK
131-140	SANDSTONE (FRESH WATER 5 GPM)
140-361	SHALE
361-407	RED ROCK
407-417	SANDSTONE
417-697	SHALE
697-701	SANDSTONE
701-936	RED ROCK
936-1112	SHALE
1112-1142	SAND
1142-1422	SHALE
1422-1452	SAND
1452-1514	SHALE
1514-1551	SAND
1551-1604	SHALE
1604-1644	SAND
1644-1712	SHALE
1712-1774	SAND
1774-1854	SHALE
1854-1884	SAND
1884-2200	SHALE
2200	T.D.

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NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice	:4849	Stage	:1 of 13
Date	:Wed 10/11/2006	Start Time	:04:36:35 (04:36 AM)
Customer	:GUARDIAN EXPLORATION	Lease	:RX - 801
State	:PENNSYLVANIA	County	:POTTER COUNTY
Engineer	:TROY ROULO	Comments	:
Primary	: 3-1/2;NPT;J-55; 9.20# - USED	Secondary	:NONE -
Formation	:N/A	Job Type	:MULTI STAGE OPEN HOLE FRAC
Treat Vol	:4550 GAL	Flush Vol	:700 GAL
Top Int	:893 FEET	Bottom Int	:70 SKS
Notch/Perf	:1 NOTCH EACH	Comments	:DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1191 *** AVERAGE RATE: 18.1 *** AVERAGE HHP: 527 *** PTS USED: 9
CALCULATED SHUT IN: ISIP *** 628

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
05:13:22	PAUSED	1540	17.9	19	19	679
05:13:24	SS 1/2	1511	18.0	45	45	666
05:13:25	ZEROSUB	1483	18.0	68	68	656
05:13:54	SOB	1323	18.1	353	424	586
05:14:24	SS 1	1247	17.9	726	798	547
05:15:18	SS 1 1/2	1159	18.1	1412	1484	516
05:16:19	SS 2	1132	18.2	2200	2271	505
05:19:25	FS	1093	18.1	4558	4629	485
05:19:28	FS	1088	18.1	4581	4652	483
05:19:54	SF	1078	18.0	4915	4986	477
05:20:22	ZEROSUB	1071	18.0	15	5340	475
05:21:19	FF	1085	18.1	746	6071	481
05:21:54	ISIP	682	0.0	782	6107	0

POST JOB COMMENTS

<14.00> CW-3K Per Pound
1oz.breaker
70sks.

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NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :2 of 13
Date :Wed 10/11/2006	Start Time :05:25:49 (05:25 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3550 GAL	Flush Vol :700 GAL
Top Int :1041 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1682 *** AVERAGE RATE: 17.9 *** AVERAGE HHP: 737 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 820
 BROKE FORMATION: Brk Form *** 2476 BACK TO: 2003

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
05:55:28	PAUSED	-5	0.0	0	0	0
05:55:49	Brk Form	1709	3.4	6	6	127
05:56:02	SS 1/2	2263	18.0	129	129	1006
05:56:08	ZEROSUB	2051	18.0	0	205	909
05:56:40	SOB	1742	17.7	404	608	752
05:57:07	SS 1	1865	17.9	729	933	818
05:58:02	SS 1 1/2	1796	17.8	1426	1631	784
05:58:58	SS 2	1550	17.8	2126	2331	676
05:59:08	CHK P&R	1541	17.7	2248	2453	667
05:59:54	CHK P&R	1502	17.9	2820	3024	660
06:00:55	FS-	1469	18.1	3577	3781	650
06:01:22	ZEROSUB	1435	18.0	3927	4132	631
06:02:26	FF	1414	18.0	794	4933	624
06:02:46	ISIP	896	0.0	830	4969	0

POST JOB COMMENTS

<11.00> Cw-3k Per Pound
 <0.10> Cw-3k Breaker
 50sks.

END OF REPORT

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 NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :3 of 13
Date :Wed 10/11/2006	Start Time :06:04:14 (06:04 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3550 GAL	Flush Vol :800 GAL
Top Int :1076 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1395 *** AVERAGE RATE: 17.7 *** AVERAGE HHP: 605 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 744
 BROKE FORMATION: Brk Form *** 1798 BACK TO: 1656

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
06:17:19	PAUSED	-5	0.0	0	0	0
06:17:45	Brk Form	1606	6.3	28	28	239
06:18:03	SS 1/2	1727	17.2	196	196	730
06:18:07	ZEROSUB	1665	17.2	11	243	704
06:18:41	SOB	1506	17.9	435	667	663
06:19:09	SS 1	1416	17.8	782	1015	616
06:20:01	SS 1 1/2	1368	17.4	1421	1653	581
06:20:57	SS 2	1348	17.9	2121	2354	591
06:21:31	CHK P&R	1329	17.4	2542	2774	569
06:22:11	CHK P&R	1330	17.9	3042	3274	586
06:22:53	FS	1321	17.8	3568	3800	578
06:23:23	SF	1302	17.6	3939	4172	562
06:23:25	ZEROSUB	1303	17.6	3962	4194	562
06:24:31	FF	1307	17.9	824	5022	573
06:25:01	ISIP	909	0.0	855	5053	0

POST JOB COMMENTS

<0.10> Cw-3k Breaker
 <11.00> Cw-3k Per Pound
 50sks.

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 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :4 of 13
Date :Wed 10/11/2006	Start Time :06:26:12 (06:26 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3550 GAL	Flush Vol :800 GAL
Top Int :1088 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1487 *** AVERAGE RATE: 17.9 *** AVERAGE HHP: 654 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 691
 BROKE FORMATION: Brk Form *** 1758 BACK TO: 1684

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
06:37:26	PAUSED	49	0.0	0	0	0
06:37:42	Brk Form	1621	3.7	1	1	0
06:38:04	SS 1/2	1758	17.2	141	141	736
06:38:08	ZEROSUB	1736	17.9	189	189	760
06:38:48	SOB	1600	18.0	488	685	704
06:39:06	SS 1	1564	18.0	715	911	688
06:40:02	SS 1 1/2	1493	18.0	1419	1615	658
06:40:58	SS 2	1459	17.9	2128	2324	642
06:41:10	CHK P&R	1432	17.8	2277	2473	624
06:42:19	CHK P&R	1403	18.2	3137	3333	626
06:42:52	FS	1399	18.1	3566	3763	623
06:43:20	SF	1383	18.1	3919	4116	614
06:43:22	ZEROSUB	1381	18.1	4	4142	613
06:44:26	FF	1381	18.2	814	4952	615
06:45:02	ISIP	945	0.0	840	4978	0

POST JOB COMMENTS

<11.00> Cw-3k Per Pound
 <0.10> Cw-3k Breaker
 50sks.

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 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIAN
EXPLORATION

Lease : RX - 801

Invoice : 4849	Stage : 5 of 13
Date : Wed 10/11/2006	Start Time : 06:46:44 (06:46 AM)
Customer : GUARDIAN EXPLORATION	Lease : RX - 801
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : N/A	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4550 GAL	Flush Vol : 800 GAL
Top Int : 1129 FEET	Bottom Int : 70 SKS
Notch/Perf : 1 NOTCH EACH	Comments : DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1437 *** AVERAGE RATE: 17.8 *** AVERAGE HHP: 628 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 646
 BROKE FORMATION: Brk Form *** 1958 BACK TO: 1822

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
07:01:09	PAUSED	-5	0.0	0	0	0
07:01:39	Brk Form	1382	0.7	6	6	0
07:02:01	SS 1/2	1848	17.4	149	149	791
07:02:05	ZEROSUB	1801	17.7	15	201	781
07:02:45	SOB	1485	18.2	515	701	661
07:03:01	SS 1	1448	18.0	716	902	641
07:03:57	SS 1 1/2	1390	17.9	1421	1608	609
07:04:53	SS 2	1361	18.0	2124	2310	601
07:05:01	CHK P&R	1358	18.0	2223	2409	600
07:06:41	FS	1355	17.7	3479	3665	587
07:06:45	SF	1356	17.9	3528	3714	594
07:06:49	ZEROSUB	1351	17.9	11	3763	593
07:08:03	FF	1330	17.4	933	4685	566
07:08:25	ISIP	977	0.0	968	4719	0

POST JOB COMMENTS

<0.10> Cw-3k Breaker
 <11.00> Cw-3k Per Pound
 50sks.

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 NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :6 of 13
Date :Wed 10/11/2006	Start Time :07:20:34 (07:20 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :4050 GAL	Flush Vol :800 GAL
Top Int :1251 FEET	Bottom Int :60 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1712 *** AVERAGE RATE: 17.3 *** AVERAGE HHP: 727 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 886
 BROKE FORMATION: Brk Form *** 2944 BACK TO: 2354

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
07:27:16	PAUSED	-5	0.0	0	0	0
07:27:44	Brk Form	2201	11.9	56	56	688
07:28:08	SS 1/2	2455	12.5	288	288	743
07:28:18	ZEROSUB	2539	17.6	4	399	1102
07:28:56	SOB	1922	17.9	479	875	845
07:29:16	SS 1	1780	18.0	729	1124	788
07:30:10	SS 1 1/2	1630	17.9	1411	1807	716
07:31:12	SS 2	1574	18.0	2195	2590	696
07:31:20	CHK P&R	1579	17.9	2297	2692	694
07:33:12	CHK P&R	1545	18.1	3717	4113	684
07:33:40	FS	1544	18.1	4071	4467	684
07:34:16	SF	1531	17.9	4527	4923	671
07:34:18	ZEROSUB	1531	18.0	15	4949	676
07:35:36	FF	1555	17.1	996	5930	651
07:35:50	ISIP	1031	0.0	1026	5960	0

POST JOB COMMENTS

<12.00> Cw-3k Per Pound
 <0.10> Cw-3k Breaker
 60sks.

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIAN
EXPLORATION

Lease : RX - 801

Invoice : 4849	Stage : 7 of 13
Date : Wed 10/11/2006	Start Time : 07:37:41 (07:37 AM)
Customer : GUARDIAN EXPLORATION	Lease : RX - 801
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : N/A	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 5050 GAL	Flush Vol : 1000 GAL
Top Int : 1290 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments : DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1662 *** AVERAGE RATE: 17.8 *** AVERAGE HHP: 724 *** PTS USED: 12
 CALCULATED SHUT IN: ISIP *** 854
 BROKE FORMATION: Brk Form *** 2064 BACK TO: 2006

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
07:50:17	PAUSED	-5	5.2	3	3	-1
07:50:43	Brk Form	1570	4.4	28	28	180
07:51:03	SS 1/2	2063	17.6	165	165	881
07:51:07	ZEROSUB	2038	17.9	8	217	896
07:51:45	SOB	1806	17.8	478	688	788
07:51:47	SOB	1792	17.8	504	714	783
07:52:04	SS 1	1755	17.8	706	916	765
07:52:06	SS 1	1749	17.8	728	938	762
07:53:02	SS 1 1/2	1594	17.8	1424	1634	697
07:53:58	SS 2	1555	17.8	2121	2331	678
07:54:03	CHK P&R	1549	17.7	2192	2402	673
07:55:21	CHK P&R	1530	17.8	3169	3379	668
07:57:23	CHK P&R	1488	17.8	4678	4887	650
07:57:55	FS	1543	17.8	5077	5287	672
07:58:25	ZEROSUB	1590	17.8	5451	5661	693
07:59:46	FF	1526	17.7	994	6659	662
08:00:17	ISIP	1028	0.0	1026	6691	0

POST JOB COMMENTS

<0.10> Cw-3k Breaker
 <15.00> Cw-3k Per Pound
 80sks.

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :8 of 13
Date :Wed 10/11/2006	Start Time :08:02:59 (08:02 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3550 GAL	Flush Vol :1000 GAL
Top Int :1353 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1768 *** AVERAGE RATE: 18.0 *** AVERAGE HHP: 779 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 1122
 CALCULATED SHUT IN: ISIP *** 831
 BROKE FORMATION: Brk Form *** 2720 BACK TO: 2203

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
08:14:16	PAUSED	-5	0.0	0	0	0
08:15:00	Brk Form	2127	3.0	47	47	6
08:15:14	SS 1/2	2275	17.8	174	174	1002
08:15:18	ZEROSUB	2138	17.9	223	223	944
08:16:00	SOB	1807	18.1	527	753	802
08:16:16	SS 1	1753	18.2	728	955	782
08:17:10	SS 1 1/2	1675	18.0	1412	1639	739
08:18:06	SS 2	1635	18.1	2119	2345	725
08:18:14	CHK P&R	1620	17.9	2221	2447	714
08:19:30	CHK P&R	1681	17.9	3177	3403	736
08:20:04	FS	1772	18.1	3604	3831	783
08:20:30	SF	1795	17.9	3931	4158	787
08:20:31	ZEROSUB	1793	18.0	8	4180	788
08:21:52	FF	1664	17.9	1010	5183	731
08:22:13	ISIP	1137	0.0	1026	5198	0
08:22:54	ISIP	5	0.0	1026	5198	0

POST JOB COMMENTS

<11.00> Cw-3k Per Pound
 <0.10> Cw-3k Breaker
 50sks.

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIAN
EXPLORATION

Lease : RX - 801

Invoice : 4849	Stage : 9 of 13
Date : Wed 10/11/2006	Start Time : 08:25:07 (08:25 AM)
Customer : GUARDIAN EXPLORATION	Lease : RX - 801
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : N/A	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4550 GAL	Flush Vol : 1000 GAL
Top Int : 1396 FEET	Bottom Int : 70 SKS
Notch/Perf : 1 NOTCH EACH	Comments : DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1972 *** AVERAGE RATE: 17.7 *** AVERAGE HHP: 855 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 803
 BROKE FORMATION: Brk Form *** 3340 BACK TO: 2846

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhbp
08:37:35	PAUSED	-5	0.0	0	0	0
08:37:57	Brk Form	2324	4.0	8	8	180
08:38:37	SS 1/2	2740	16.1	269	269	1085
08:38:43	ZEROSUB	2578	16.4	3	337	1040
08:39:31	SOB	2107	17.9	588	921	923
08:39:39	SS 1	2053	17.9	689	1023	902
08:40:37	SS 1 1/2	1920	17.9	1414	1747	842
08:41:33	SS 2	1870	17.8	2113	2447	820
08:41:39	CHK P&R	1859	17.8	2188	2522	812
08:43:39	CHK P&R	1817	17.8	3698	4031	795
08:45:29	FS	1790	17.8	5078	5411	783
08:45:55	SF	1774	17.9	5405	5739	778
08:45:57	ZEROSUB	1774	17.8	0	5761	776
08:47:17	FF	1792	17.9	995	6756	785
08:47:47	ISIP	1099	0.0	1015	6776	0

POST JOB COMMENTS

14" CW SK
 102. Breaker
 8034g.

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 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIAN
EXPLORATION

Lease : RX - 801

Invoice : 4849	Stage : 10 of 13
Date : Wed 10/11/2006	Start Time : 08:49:08 (08:49 AM)
Customer : GUARDIAN EXPLORATION	Lease : RX - 801
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : N/A	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 5050 GAL	Flush Vol : 1000 GAL
Top Int : 1472 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments : DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1950 *** AVERAGE RATE: 17.3 *** AVERAGE HHP: 828 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 1078
 BROKE FORMATION: Brk Form *** 3657 BACK TO: 2763

LOGGED DATA

	Comment	CASEpsi	SLRRYbpa	s#SLRRYga	T#SLRRYga	HRPWRhhp
09:26:21	PAUSED	-10	0.0	0	0	0
09:27:21	Brk Form	3281	0.0	7	7	4
09:28:47	SS 1/2	2825	17.1	221	221	1184
09:28:53	ZEROSUB	2757	17.3	11	294	1171
09:29:37	SOB	2090	17.8	550	833	914
09:29:51	SS 1	1996	18.1	728	1011	888
09:30:45	SS 1 1/2	1961	17.9	1409	1692	862
09:31:47	SS 2	1956	15.9	2112	2395	760
09:33:09	CHK P&R	1747	17.3	3069	3352	743
09:35:55	FS	1663	17.3	5086	5369	705
09:36:23	SF	1652	17.3	5425	5707	699
09:36:25	ZEROSUB	1657	17.3	4	5733	703
09:37:53	FF	1657	17.3	1074	6803	704
09:38:09	ISIP	1302	0.0	1098	6827	0

POST JOB COMMENTS

<0.10> Cw-3k Breaker
 <15.00> Cw-3k Per Pound
 80sks.

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :11 of 13
Date :Wed 10/11/2006	Start Time :09:49:08 (09:49 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3550 GAL	Flush Vol :1000 GAL
Top Int :1603 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2047 *** AVERAGE RATE: 20.1 *** AVERAGE HHP: 1011 *** PTS USED: 8
 CALCULATED SHUT IN: ISIP *** 1144
 CALCULATED SHUT IN: ISIP *** 1144
 BROKE FORMATION: Brk Form *** 2603 BACK TO: 2435

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhbp
10:08:17	PAUSED	5	3.8	1	1	0
10:08:35	Brk Form	2009	3.0	16	16	137
10:09:11	SS 1/2	2432	17.9	299	299	1067
10:09:15	ZEROSUB	2396	17.8	0	348	1044
10:10:05	SOB	2030	18.0	626	978	895
10:10:13	SS 1	2001	17.9	728	1080	879
10:11:07	SS 1 1/2	2017	21.5	1450	1801	1062
10:11:51	SS 2	1972	21.6	2114	2465	1043
10:13:29	FS	1974	21.5	3589	3941	1040
10:13:59	SF	1959	21.3	4041	4392	1025
10:14:01	ZEROSUB	1961	21.3	0	4424	1025
10:15:11	FF	1993	21.5	1052	5475	1048
10:15:41	ISIP	1284	0.0	1082	5505	0
10:15:43	ISIP	1281	0.0	1082	5505	0

POST JOB COMMENTS

<11.00> Cw-3k Per Pound
 <0.10> Cw-3k Breaker
 50sks.

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 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIAN
EXPLORATION

Lease :RX - 801

Invoice :4849	Stage :12 of 13
Date :Wed 10/11/2006	Start Time :10:17:22 (10:17 AM)
Customer :GUARDIAN EXPLORATION	Lease :RX - 801
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :N/A	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :4050 GAL	Flush Vol :1000 GAL
Top Int :1678 FEET	Bottom Int :60 SKS
Notch/Perf :1 NOTCH EACH	Comments :DALLAS-MORRIS RIG

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2639 *** AVERAGE RATE: 17.4 *** AVERAGE HHP: 1129 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 1194
 BROKE FORMATION: Brk Form *** 3346 BACK TO: 3308

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
10:38:13	PAUSED	63	0.0	0	0	0
10:38:39	Brk Form	2804	4.0	8	8	278
10:39:45	SS 1/2	2989	16.0	580	580	1174
10:39:51	ZEROSUB	2970	16.2	648	648	1179
10:40:49	SOB	2793	16.2	646	1297	1101
10:41:07	SS 1	2784	16.7	854	1505	1137
10:42:03	SS 1 1/2	2789	17.3	1527	2178	1183
10:43:04	SS 2	2516	18.1	2293	2944	1119
10:43:16	CHK P&R	2493	18.0	2445	3096	1102
10:44:33	CHK P&R	2477	18.0	3407	4058	1095
10:45:16	CHK P&R	2436	18.0	3957	4608	1076
10:45:55	FS	2500	18.1	4438	5089	1108
10:46:04	ZEROSUB	2582	17.9	4563	5214	1133
10:46:07	ZEROSUB	2602	17.9	15	5240	1142
10:47:45	FF	2613	18.1	1248	6474	1157
10:48:25	ISIP	1338	0.0	1269	6494	0

POST JOB COMMENTS

<0.10> Cw-3k Breaker
 <12.00> Cw-3k Per Pound
 60sk.

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIAN
EXPLORATION

Lease : RX - 801

Invoice : 4849	Stage : 13 of 13
Date : Wed 10/11/2006	Start Time : 10:50:16 (10:50 AM)
Customer : GUARDIAN EXPLORATION	Lease : RX - 801
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : TROY ROULO	Comments :
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : N/A	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 7550 GAL	Flush Vol : 1500 GAL
Top Int : 1756 FEET	Bottom Int : 130 SKS
Notch/Perf : 1 NOTCH EACH	Comments : DALLAS-MORRIS RIG

LOGGED DATA

	Comment	CASEpsi	SLRRYbpm	s#SLRRYga	T#SLRRYga	HRPWRhhp
11:11:47	PAUSED	15	0.1	1	1	1

POST JOB COMMENTS

Formation Skipped
No Packer setting
Thank you for Using Superior Well Services

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NORTHWEST REGIONAL OFFICE