



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

L
MAY 17 2007

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

WELL RECORD AND COMPLETION REPORT

Well Operator Guardian Exploration, LLC		DEP ID# 237396	Well API # (Permit / Reg) 37-105-21269-00	Project Number	Acres
Address PO Box 225			Well Farm Name REYNOLDS	Well # RX803	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 9/20/06	Date Drilling Completed 9/22/06	Surface Elevation 2175 ft.	Total Depth - Driller 2200 ft.	Total Depth - Logger 2206 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.	28	DRILL CUTTINGS				9/20/06
8 3/4	7	17	THD.	520	100 SKS. CEMENT (CLASS A)	Centralizer	8 3/4 X 7	496 431,186	9/20/06
6 1/4	2 3/8	4.6	THD.	2175	NONE				10/31/06

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	25		Natural Rock Pressure	315 PSI			24 Hours	Days	
After Treatment Open Flow	N/A		After Treatment Rock Pressure	500 PSI			24 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#: 37-105-21269-00

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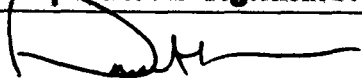
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Please delete empty rows if necessary to make all of page 2 fit on one page.

Well Operator's Signature:



DEP USE ONLY

Reviewed by:

Herb SKAN

Date:

6-6-07

Comments:

Title:
President

Date:
5-9-07



**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 #RX803

SPUD DATE: 09/20/06
COMPLETION DATE: 09/22/06
SIZE OF CONDUCTOR: 9 5/8"
AMOUNT OF CONDUCTOR: 28'

CASING SIZE: 7"
SURFACE CASING SET @: 520'
CEMENT RETURNS: 0 BBLs.
DATE CENTRALIZERS RUN: 9/20/06
CENTRALIZERS SET @: 496'; 431'; 186'

0-5	ROCKS & DIRT
5-21	SHALE
21-47	RED ROCK
47-110	SHALE
110-240	RED ROCK
240-245	SANDSTONE (FRESH WATER 15 GPM)
245-471	RED ROCK
471-1128	SHALE
1128-1188	SAND (SMELL OF GAS)
1188-1430	SHALE
1430-1520	SAND (SMELL OF GAS)
1520-1672	SHALE
1672-1702	SAND (SMELL OF GAS)
1702-1762	SHALE
1762-1804	SAND (SMELL OF GAS)
1804-2200	SHALE
2200	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 *****

6040 10/31/2006
 GUARDIEN RX - 803
 EXPLORATION
 PENNSYLVANIA POTTER COUNTY
 NATHAN LINEMAN DALLAS-MORRIS RIG
 3-1/2;NPT;J-55; 9.20# - NONE -

***** TREATMENT SUMMARY *****

Finish	Formation	Top Interval	Low Interval	Treatment	Flush	Flush
STAGE: 1	06:02:30 AM	UPPER5TH	636 FEET	60 SKS	4050 GAL	600 GAL
STAGE: 2	06:51:51 AM	WARREN	1080 FEET	50 SKS	4000 GAL	694 GAL
		2ND				
STAGE: 3	07:35:14 AM	BRADFORD	1232 FEET	50 SKS	4000 GAL	750 GAL
		1ST				
STAGE: 4	08:09:39 AM	BRADFORD	1236 FEET	80 SKS	4750 GAL	751 GAL
		1ST				
STAGE: 5	08:37:23 AM	BRADFORD	1280 FEET	50 SKS	3250 GAL	787 GAL
		1ST				
STAGE: 6	09:01:45 AM	CLARENDO	1375 FEET	50 SKS	3250 GAL	802 GAL
		N-DEWD				
STAGE: 7	09:26:40 AM	CHIPMUNK	1427.5 FEET	90 SKS	5250 GAL	821 GAL
		SAND				
STAGE: 8	09:56:13 AM	CHIPMUNK	1433.5 FEET	80 SKS	4750 GAL	822 GAL
		SAND				
STAGE: 9	10:26:39 AM	CHIPMUNK	1437.5 FEET	80 SKS	4750 GAL	825 GAL
		SAND				
STAGE: 10	10:55:20 AM	CHIPMUNK	1443 FEET	80 SKS	4750 GAL	827 GAL
		SAND				
STAGE: 11	11:21:12 AM	CHIPMUNK	1481 FEET	70 SKS	4250 GAL	841 GAL
		SAND				
STAGE: 12	11:45:27 AM	COOPER	1529 FEET	50 SKS	3250 GAL	858 GAL
STAGE: 13	12:19:46 PM	HARRISBUR	1665.5 FEET	80 SKS	4750 GAL	908 GAL
		G-RUN				
STAGE: 14	12:52:47 PM	BRADFORD	1776 FEET	70 SKS	4250 GAL	949 GAL
		#3				
STAGE: 15	01:23:06 PM	BRADFORD	1819 FEET	80 SKS	4750 GAL	964 GAL
		#3				
STAGE: 16	01:59:02 PM	BRADFORD	1862.5 FEET	80 SKS	4750 GAL	980 GAL
		#3				
STAGE: 17	02:37:53 PM	LEWISRUN	1948.5 FEET	70 SKS	4250 GAL	1012 GAL

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105-21269

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 1 of 17
Date : Tue 10/31/2006	Start Time : 05:50:19 (05:50 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : HERRERSH	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4050 GAL	Flush Vol : 600 GAL
Top Int : 85 FEET 842	Bottom Int : 60 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1208 *** AVERAGE RATE: 15.9 *** AVERAGE HHP: 470 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 787
 CALCULATED SHUT IN: ISIP *** 741
 BROKE FORMATION: Brk Form *** 1634 BACK TO: 1560

LOGGED DATA

	Comment	WHPpsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
05:47:32	PAUSED	98	0.0	0	0	0
05:50:41	PAUSED	131	0.0	1	1	0
05:51:07	Brk Form	1436	3.8	9	9	117
05:51:39	SS 1/2	1497	16.0	259	259	589
05:51:40	ZEROSUB	1480	15.9	3	279	579
05:52:11	SOB	1369	15.8	340	616	531
05:53:07	SS 1	1274	16.0	960	1236	498
05:54:39	SS 1-1/2	1183	15.9	1984	2260	462
05:56:09	SS 2	1148	15.8	2981	3257	446
05:57:43	CheckR&P	1123	15.8	4018	4294	437
05:58:27	FS	1102	15.9	4506	4781	429
05:59:03	SF	1094	15.9	4904	5180	426
05:59:04	ZEROSUB	1092	15.8	0	5200	423
06:00:03	F-F	1078	15.9	646	5846	420
06:00:16	ISIP	815	0.0	675	5875	0
06:01:19	ISIP	738	0.0	675	5875	0

POST JOB COMMENTS

<13.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <60.00> Sand - Local 20/40 Mesh - per sack

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Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 2 of 17
Date : Tue 10/31/2006	Start Time : 06:03:10 (06:03 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : WARREN 2ND	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4000 GAL	Flush Vol : 694 GAL
Top Int : 1080 FEET	Bottom Int : 50 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1712 *** AVERAGE RATE: 17.1 *** AVERAGE HHP: 715 *** PTS USED: 8
 CALCULATED SHUT IN: ISIP *** 952
 BROKE FORMATION: Brk Form *** 2349 BACK TO: 1994

LOGGED DATA

	Comment	WHPpsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhbp
06:42:46	PAUSED	39	0.0	0	0	0
06:43:10	Brk Form	1942	0.0	0	0	0
06:43:38	SS 1/2	2032	15.3	192	192	760
06:43:40	ZEROSUB	2013	15.7	8	212	774
06:44:18	SOB	1810	15.9	430	634	705
06:44:28	SS 1	1748	15.8	540	744	678
06:45:52	SS 1-1/2	1641	17.9	1528	1733	719
06:46:32	SS 2	1614	17.9	2026	2231	708
06:48:00	CheckR&P	1624	17.8	3128	3333	710
06:48:26	FS	1623	17.9	3450	3655	710
06:49:04	ZEROSUB	1616	17.9	3926	4131	710
06:50:02	F-F	1605	17.9	717	4855	705
06:51:08	ISIP	973	0.0	728	4867	1

POST JOB COMMENTS

<12.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <50.00> Sand - Local 20/40 Mesh - per sack

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NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 3 of 17
Date : Tue 10/31/2006	Start Time : 06:52:41 (06:52 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD 1ST	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4000 GAL	Flush Vol : 750 GAL
Top Int : 1232 FEET	Bottom Int : 50 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1696 *** AVERAGE RATE: 17.9 *** AVERAGE HHP: 743 *** PTS USED: 12
 CALCULATED SHUT IN: ISIP *** 993
 BROKE FORMATION: Brk Form *** 2545 BACK TO: 2408
 BROKE FORMATION: Brk Form *** 2592 BACK TO: Error

LOGGED DATA

	Comment	WHPpsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
07:21:42	PAUSED	32	0.0	0	0	0
07:23:00	Brk Form	2188	0.0	0	0	0
07:23:26	Brk Form	2300	5.4	7	7	273
07:25:14	SS 1/2	1772	17.8	682	682	778
07:25:18	ZEROSUB	1758	18.0	731	731	776
07:25:20	ZEROSUB	1751	18.0	15	758	774
07:25:56	SOB	1701	18.0	467	1210	748
07:26:00	SS 1	1698	17.9	513	1255	746
07:26:38	SS 1-1/2	1710	17.9	996	1738	750
07:26:40	SS 1-1/2	1708	17.9	1022	1764	749
07:27:22	SS 2	1685	17.9	1547	2289	739
07:28:02	CheckR&P	1681	17.8	2045	2788	734
07:29:20	CheckR&P	1680	17.9	3019	3761	736
07:30:42	CheckR&P	1690	17.8	4038	4780	736
07:31:40	FS	1681	17.8	4758	5500	732
07:32:18	SF	1671	17.8	5232	5975	730
07:32:20	ZEROSUB	1671	17.8	4	5997	729
07:33:20	F-F	1673	17.9	756	6750	732
07:34:36	ISIP	1024	0.0	783	6776	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

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NORTHWEST REGIONAL OFFICE

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NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 4 of 17
Date : Tue 10/31/2006	Start Time : 07:35:36 (07:35 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD 1ST	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 751 GAL
Top Int : 1236 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1684 *** AVERAGE RATE: 17.8 *** AVERAGE HHP: 734 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1070

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
07:59:01	PAUSED	34	0.0	0	0	0
07:59:43	ZEROSUB	1605	17.9	172	172	705
07:59:46	ZEROSUB	1632	17.8	15	198	712
08:00:22	SOB	1763	17.7	460	643	763
08:00:24	SOB	1761	17.6	486	669	761
08:00:26	SS 1	1760	17.6	508	691	759
08:01:08	SS 1-1/2	1723	17.8	1031	1214	753
08:01:52	SS 2	1691	17.8	1577	1760	738
08:02:28	CheckR&P	1677	17.8	2029	2212	734
08:03:49	CheckR&P	1660	17.8	3049	3232	725
08:05:08	CheckR&P	1642	17.8	4020	4203	716
08:06:07	FS	1610	17.8	4768	4951	702
08:06:43	SF	1613	17.9	5218	5401	709
08:06:46	ZEROSUB	1613	17.9	4	5427	708
08:07:46	F-F	1622	18.0	756	6180	718
08:08:58	ISIP	1047	0.0	787	6210	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 5 of 17
Date : Tue 10/31/2006	Start Time : 08:10:21 (08:10 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD 1ST	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 3250 GAL	Flush Vol : 767 GAL
Top Int : 1280 FEET	Bottom Int : 50 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1742 *** AVERAGE RATE: 18.0 *** AVERAGE HHP: 767 *** PTS USED: 7
 CALCULATED SHUT IN: ISIP *** 1210
 BROKE FORMATION: Brk Form *** 2896 BACK TO: 2038

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
08:27:33	PAUSED	-2495	0.0	0	0	0
08:30:05	Brk Form	1821	3.0	156	156	12
08:30:21	ZEROSUB	2068	18.1	310	310	919
08:30:23	ZEROSUB	2038	18.1	11	333	908
08:31:09	SOB	1887	17.9	593	915	829
08:31:39	SS 1-1/2	1818	18.0	971	1292	802
08:32:21	SS 2	1749	18.0	1500	1821	770
08:33:03	CheckR&P	1719	17.9	2027	2349	755
08:34:21	CheckR&P	1674	17.9	3008	3329	735
08:34:41	FS	1677	18.0	3261	3582	741
08:35:13	ZEROSUB	1668	18.0	3665	3986	733
08:36:15	F-F	1673	18.0	769	4762	737
08:36:41	ISIP	1183	0.0	797	4791	0

POST JOB COMMENTS

<12.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <50.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 6 of 17
Date : Tue 10/31/2006	Start Time : 08:38:35 (08:38 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : CLARENDON-DEWDROP	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 3250 GAL	Flush Vol : 802 GAL
Top Int : 1375 FEET	Bottom Int : 50 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1930 *** AVERAGE RATE: 20.8 *** AVERAGE HHP: 982 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 1068
 BROKE FORMATION: Brk Form *** 2495 BACK TO: 2195

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
08:54:41	PAUSED	44	3.2	1	1	0
08:55:17	Brk Form	2189	7.9	16	16	178
08:55:35	SS 1/2	2215	17.9	191	191	976
08:55:37	ZEROSUB	2187	17.9	0	217	962
08:56:15	SS 1	2118	20.1	512	733	1041
08:56:17	SOB	2115	20.2	537	758	1046
08:56:49	SS 1-1/2	2031	21.1	1002	1223	1050
08:57:23	SS 2	1946	21.3	1506	1727	1017
08:57:57	CheckR&P	1920	21.5	2020	2241	1015
08:59:03	CheckR&P	1888	21.5	3013	3234	994
08:59:19	FS	1882	21.5	3252	3473	990
08:59:49	ZEROSUB	1867	21.6	3705	3926	987
09:00:43	F-F	1915	21.5	806	4741	1006
09:00:45	F-F	1265	21.1	838	4772	890
09:01:03	ISIP	1204	0.0	844	4778	0

POST JOB COMMENTS

<12.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <50.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 7 of 17
Date : Tue 10/31/2006	Start Time : 09:02:23 (09:02 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : CHIPMUNK SAND	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 5250 GAL	Flush Vol : 821 GAL
Top Int : 1427.5 FEET	Bottom Int : 90 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1934 *** AVERAGE RATE: 21.4 *** AVERAGE HHP: 1013 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 1150
 CALCULATED SHUT IN: ISIP *** 1150
 BROKE FORMATION: Brk Form *** 3489 BACK TO: Error
 BROKE FORMATION: Brk Form *** 3495 BACK TO: 2270

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRFWRhhp
09:14:37	PAUSED	49	3.0	1	1	0
09:15:37	Brk Form	2921	0.0	3	3	0
09:17:45	Brk Form	2452	4.8	171	171	514
09:18:05	ZEROSUB	2198	19.7	0	372	1066
09:18:37	SS_1	2031	21.1	465	837	1050
09:18:43	SOB	2025	21.1	554	926	1050
09:19:13	SS_1-1/2	2019	21.1	997	1369	1044
09:19:53	SS_2	1983	21.2	1590	1962	1031
09:20:21	CheckR&P	1945	21.3	2008	2380	1014
09:21:31	CheckR&P	1916	21.5	3054	3425	1008
09:22:35	CheckR&P	1881	21.5	4020	4391	993
09:23:37	CheckR&P	1852	21.6	4952	5323	981
09:23:57	FS	1847	21.5	5255	5626	975
09:24:29	ZEROSUB	1848	21.6	5740	6111	978
09:25:25	F-F	1841	21.7	838	6958	981
09:25:55	ISIP	1173	0.0	871	6991	0
09:25:57	ISIP	1171	0.0	871	6991	0

POST JOB COMMENTS

<18.00> CW-3K-perpound
 <0.20> Ob - Fe Breaker per gallon
 <90.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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JUN 08 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 8 of 17
Date : Tue 10/31/2006	Start Time : 09:27:13 (09:27 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : CHIPMUNK SAND	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 822 GAL
Top Int : 1433.5 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2103 *** AVERAGE RATE: 20.1 *** AVERAGE HHP: 1037 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1228
 BROKE FORMATION: Brk Form *** 2798 BACK TO: 2571
 BROKE FORMATION: Brk Form *** 2798 BACK TO: 2524

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhbp
09:46:43	PAUSED	25	0.0	0	0	0
09:47:25	Brk Form	2571	1.2	13	13	168
09:47:27	Brk Form	2625	7.0	19	19	450
09:47:49	SS 1/2	2302	17.0	210	210	962
09:47:51	ZEROSUB	2300	17.2	4	236	970
09:48:27	SS 1	2305	19.0	476	708	1074
09:48:33	SOB	2283	19.1	556	788	1071
09:49:05	SS 1-1/2	2201	19.5	983	1215	1050
09:49:45	SS 2	2124	20.3	1537	1769	1059
09:50:19	CheckR&P	2086	20.6	2023	2255	1052
09:51:31	CheckR&P	2026	20.9	3070	3302	1038
09:52:37	CheckR&P	1989	21.1	4039	4271	1026
09:53:27	FS	1958	21.2	4778	5010	1015
09:53:55	SF	1938	21.3	5194	5426	1013
09:53:57	ZEROSUB	1938	21.3	18	5457	1011
09:54:53	F-F	1921	21.4	852	6291	1006
09:55:13	ISIP	1251	0.0	864	6303	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 9 of 17
Date : Tue 10/31/2006	Start Time : 09:56:27 (09:56 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : CHIPMUNK SAND	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 825 GAL
Top Int : 1437.5 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1886 *** AVERAGE RATE: 21.1 *** AVERAGE HHP: 977 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 427
 CALCULATED SHUT IN: ISIP *** 427
 BROKE FORMATION: Brk Form *** 2318 BACK TO: 2276

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
10:16:38	PAUSED	30	0.0	0	0	0
10:19:18	Brk Form	1587	5.2	77	77	177
10:19:48	SS 1/2	2237	19.4	376	376	1065
10:19:50	ZEROSUB	2206	19.5	12	405	1055
10:20:24	SS 1	2133	19.8	484	876	1035
10:20:28	SOB	2125	19.8	538	930	1035
10:21:00	SS 1-1/2	1828	21.8	997	1389	977
10:21:32	SS 2	1749	21.8	1485	1878	934
10:22:08	CheckR&P	1791	21.8	2034	2426	955
10:23:12	CheckR&P	1770	21.7	3007	3399	943
10:24:20	CheckR&P	1752	21.7	4042	4435	933
10:24:22	FS	1754	21.8	4074	4467	935
10:24:44	ZEROSUB	1735	21.8	4407	4800	925
10:25:20	F-F	1716	21.8	539	5348	918
10:25:30	ISIP	627	0.0	570	5379	0
10:25:32	ISIP	532	0.0	570	5379	0
10:25:48	PAUSED	20	0.0	570	5379	0
10:25:50	Came Arou	20	0.0	570	5379	0

POST JOB COMMENTS

Notch Circulated
 <16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <60.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 10 of 17
Date : Tue 10/31/2006	Start Time : 10:26:54 (10:26 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : CHIPMUNK SAND	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 827 GAL
Top Int : 1443 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2054 *** AVERAGE RATE: 16.9 *** AVERAGE HHP: 851 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1301
 BROKE FORMATION: Brk Form *** 2951 BACK TO: Error

LOGGED DATA

	Comment	WHPpsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
10:43:58	PAUSED	29	0.0	0	0	0
10:44:30	Brk Form	2785	0.0	1	1	61
10:45:24	ZEROSUB	2833	15.2	337	337	1055
10:46:06	SS 1	2465	17.1	477	821	1030
10:46:14	SOB	2443	16.8	570	913	1003
10:46:48	SS 1-1/2	2211	17.1	974	1317	928
10:47:32	SS 2	2057	16.7	1493	1837	844
10:47:34	SS 2	2055	16.6	1518	1861	840
10:48:22	CheckR&P	1988	17.0	2087	2430	829
10:49:40	CheckR&P	1920	17.0	3014	3358	798
10:51:04	CheckR&P	1872	16.8	4014	4358	769
10:52:06	FS	1849	17.0	4751	5094	771
10:52:42	SF	1838	16.6	5179	5522	750
10:52:44	ZEROSUB	1840	16.6	4	5543	751
10:53:54	F-F	1898	17.2	839	6378	803
10:54:12	ISIP	1331	0.0	857	6397	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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JUN 08 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice	: 6040	Stage	: 11 of 17
Date	: Tue 10/31/2006	Start Time	: 10:56:27 (10:56 AM)
Customer	: GUARDIEN EXPLORATION	Lease	: RX - 803
State	: PENNSYLVANIA	County	: POTTER COUNTY
Engineer	: NATHAN LINEMAN	Comments	: DALLAS-MORRIS RIG
Primary	: 3-1/2;NPT;J-55; 9.20# - USED	Secondary	: NONE -
Formation	: CHIPMUNK SAND	Job Type	: MULTI STAGE OPEN HOLE FRAC
Treat Vol	: 4250 GAL	Flush Vol	: 841 GAL
Top Int	: 1481 FEET	Bottom Int	: 70 SKS
Notch/Perf	: 1 NOTCH EACH	Comments	:

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2148 *** AVERAGE RATE: 20.0 *** AVERAGE HHP: 1052 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1338
 BROKE FORMATION: Brk Form *** 2603 BACK TO: 2516
 BROKE FORMATION: Brk Form *** 2603 BACK TO: 2516

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
11:12:27	PAUSED	24	0.0	0	0	0
11:13:17	Brk Form	2603	3.5	41	41	54
11:13:19	Brk Form	2454	5.6	49	49	330
11:13:39	SS 1/2	2514	16.5	223	223	1017
11:13:41	ZEROSUB	2504	16.6	7	244	1018
11:14:21	SS 1	2358	18.6	491	729	1073
11:14:27	SOB	2332	18.8	570	807	1077
11:14:59	SS 1-1/2	2175	19.6	1001	1238	1047
11:15:37	SS 2	2099	20.3	1528	1765	1042
11:16:11	CheckR&P	2073	20.7	2022	2259	1053
11:17:19	CheckR&P	2019	21.0	3016	3253	1042
11:18:27	CheckR&P	2017	21.0	4019	4256	1038
11:18:43	FS	2010	21.1	4257	4494	1038
11:19:13	SF	2013	21.2	4697	4934	1047
11:19:15	ZEROSUB	2013	21.2	18	4965	1046
11:20:11	F-F	2014	21.0	847	5794	1035
11:20:33	ISIP	1272	0.0	878	5825	0

POST JOB COMMENTS

<15.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <70.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer :GUARDIEN EXPLORATION

Lease :RX - 803

Invoice :6040	Stage :12 of 17
Date :Tue 10/31/2006	Start Time :11:21:45 (11:21 AM)
Customer :GUARDIEN EXPLORATION	Lease :RX - 803
State :PENNSYLVANIA	County :POTTER COUNTY
Engineer :NATHAN LINEMAN	Comments :DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary :NONE -
Formation :COOPER	Job Type :MULTI STAGE OPEN HOLE FRAC
Treat Vol :3250 GAL	Flush Vol :858 GAL
Top Int :1529 FEET	Bottom Int :50 SKS
Notch/Perf :1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2241 *** AVERAGE RATE: 18.5 *** AVERAGE HHP: 1018 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 1281
 BROKE FORMATION: Brk Form *** 2681 BACK TO: 2563

LOGGED DATA

	Comment	WHPpsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
11:37:42	PAUSED	25	0.1	0	0	0
11:38:28	Brk Form	2523	3.6	26	26	277
11:38:48	SS 1/2	2579	16.4	164	164	1036
11:38:50	ZEROSUB	2551	16.7	7	185	1046
11:39:34	SS 1	2406	16.8	527	704	987
11:39:38	SOB	2410	17.1	573	751	1006
11:40:10	SS 1-1/2	2220	16.6	951	1129	907
11:40:54	SS 2	2169	19.5	1521	1699	1036
11:41:36	CheckR&P	2103	19.8	2100	2278	1021
11:42:42	CheckR&P	2088	20.2	3024	3201	1033
11:43:00	FS	2094	20.2	3274	3452	1037
11:43:34	ZEROSUB	2086	20.6	3768	3946	1052
11:44:36	F-F	2103	20.1	875	4829	1037
11:44:52	ISIP	1276	0.0	883	4837	0

POST JOB COMMENTS

<12.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <50.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

RECEIVED

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 13 of 17
Date : Tue 10/31/2006	Start Time : 11:46:06 (11:46 AM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : HARRISBURG-RUN	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 908 GAL
Top Int : 1665.5 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 1973 *** AVERAGE RATE: 20.1 *** AVERAGE HHP: 974 *** PTS USED: 12
 CALCULATED SHUT IN: ISIP *** 1239
 BROKE FORMATION: Brk Form *** 3340 BACK TO: 2426

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
12:10:10	PAUSED	29	0.0	0	0	0
12:11:08	Brk Form	2383	3.1	9	9	229
12:11:28	SS 1/2	2304	18.7	182	182	1057
12:11:30	ZEROSUB	2279	18.9	4	210	1056
12:12:08	SS 1	2047	20.5	530	736	1028
12:12:18	SOB	2012	20.5	668	873	1011
12:12:40	SS 1-1/2	1981	20.3	983	1189	985
12:12:42	SS 1-1/2	1979	20.3	1013	1219	985
12:13:18	SS 2	1939	20.2	1519	1725	962
12:13:56	CheckR&P	1909	20.2	2062	2268	946
12:15:04	CheckR&P	1898	20.2	3021	3226	940
12:16:16	CheckR&P	1895	20.2	4037	4243	937
12:17:08	FS	1890	20.2	4775	4981	935
12:17:34	SF	1900	20.2	5140	5346	943
12:17:36	ZEROSUB	1901	20.3	17	5376	944
12:18:40	F-F	1920	20.3	922	6280	953
12:19:04	ISIP	1364	0.0	939	6298	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

RECEIVED

JUN 08 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 14 of 17
Date : Tue 10/31/2006	Start Time : 12:20:29 (12:20 PM)
Customer : GUARDIEN EXPLORATION	Lease : RK - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD#3	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4250 GAL	Flush Vol : 949 GAL
Top Int : 1776 FEET	Bottom Int : 70 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2125 *** AVERAGE RATE: 19.6 *** AVERAGE HHP: 1019 *** PTS USED: 10
 CALCULATED SHUT IN: ISIP *** 1319
 BROKE FORMATION: Brk Form *** 3003 BACK TO: 2538

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRbhp
12:42:57	PAUSED	29	0.0	0	0	0
12:43:45	Brk Form	2295	3.3	2	2	0
12:44:07	SS 1/2	2532	17.3	204	204	1073
12:44:09	ZEROSUB	2521	17.5	7	226	1077
12:44:49	SS 1	2379	18.5	503	722	1077
12:45:03	SOB	2331	18.8	687	906	1072
12:45:25	SS 1-1/2	2188	19.5	980	1199	1045
12:46:01	SS 2	2049	20.3	1485	1704	1017
12:46:37	CheckR&P	2000	20.2	1999	2218	992
12:47:51	CheckR&P	1957	20.2	3044	3263	970
12:49:01	CheckR&P	1939	20.3	4034	4253	963
12:49:47	FS	1923	20.2	4686	4905	952
12:50:19	ZEROSUB	1922	20.3	0	5355	955
12:51:27	F-F	1952	20.3	963	6323	972
12:51:51	ISIP	1378	0.0	990	6350	0

POST JOB COMMENTS

<15.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <70.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

RECEIVED

JUN 08 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

RECEIVED

MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 15 of 17
Date : Tue 10/31/2006	Start Time : 12:53:06 (12:53 PM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD#3	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 964 GAL
Top Int : 1819 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2155 *** AVERAGE RATE: 19.5 *** AVERAGE HHP: 1030 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1334
 BROKE FORMATION: Brk Form *** 3463 BACK TO: 2849
 BROKE FORMATION: Brk Form *** 3463 BACK TO: 2831

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
13:13:14	PAUSED	54	2.1	0	0	0
13:14:22	Brk Form	2305	0.0	2	2	0
13:14:25	Brk Form	2559	5.6	7	7	400
13:14:40	SS 1/2	2525	17.2	158	158	1065
13:14:42	ZEROSUB	2495	17.5	4	180	1070
13:15:24	SS 1	2446	17.8	533	709	1071
13:15:38	SOB	2359	18.5	713	890	1072
13:16:02	SS 1-1/2	2185	19.5	1032	1209	1045
13:16:37	SS 2	2087	20.3	1511	1688	1040
13:17:18	CheckR&P	2051	20.2	2100	2276	1014
13:18:24	CheckR&P	2019	20.2	3028	3205	1002
13:19:36	SS 2	2004	20.3	4053	4230	994
13:20:28	FS	2009	20.2	4791	4967	996
13:20:56	ZEROSUB	1985	20.2	5185	5361	981
13:22:07	F-F	2010	20.2	983	6353	993
13:22:08	F-F	2006	20.1	1005	6375	994
13:22:28	ISIP	1413	0.0	1015	6385	0

POST JOB COMMENTS

<16.50> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <80.00> Sand - Local 20/40 Mesh - per sack

END OF REPORT

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ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

ENVIRONMENTAL PROTECTION
 NORTHWEST REGIONAL OFFICE

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 16 of 17
Date : Tue 10/31/2006	Start Time : 13:23:26 (01:23 PM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : BRADFORD#3	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4750 GAL	Flush Vol : 980 GAL
Top Int : 1862.5 FEET	Bottom Int : 80 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2188 *** AVERAGE RATE: 18.3 *** AVERAGE HHP: 980 *** PTS USED: 11
 CALCULATED SHUT IN: ISIP *** 1491
 BROKE FORMATION: Brk Form *** 3044 BACK TO: 2430

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
13:42:25	PAUSED	20	0.0	0	0	0
13:44:19	PAUSED	95	0.0	0	0	0
13:45:56	PckrMove	20	5.4	46	46	3
13:48:25	PAUSED	29	0.0	0	0	0
13:49:19	Brk Form	2285	0.0	4	4	74
13:50:05	SS 1/2	2564	17.1	327	327	1077
13:50:07	ZEROSUB	2519	17.1	4	352	1061
13:50:45	SS 1	2423	18.4	474	823	1090
13:51:03	SOB	2414	18.3	707	1056	1087
13:51:23	SS 1-1/2	2372	18.5	966	1315	1074
13:52:03	SS 2	2232	18.8	1493	1841	1031
13:52:49	CheckR&P	2110	18.7	2093	2441	969
13:54:01	CheckR&P	2033	18.3	3029	3377	911
13:55:19	CheckR&P	1981	18.4	4026	4374	892
13:56:17	FS	1968	18.3	4769	5118	881
13:56:43	SF	1960	18.4	5107	5456	883
13:56:45	ZEROSUB	1960	18.5	5130	5479	886
13:58:03	F-F	2009	17.9	988	6475	881
13:58:17	ISIP	1445	0.0	1011	6498	0

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ENVIRONMENTAL PROTECTION
NORTHWEST REGIONAL OFFICE

POST JOB COMMENTS

- <16.50> CW-3K-perpound
- <0.10> Ob - Fe Breaker per gallon
- <80.00> Sand - Local 20/40 Mesh - per sack

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NORTHWEST REGIONAL OFFICE

END OF REPORT

Customer : GUARDIEN EXPLORATION

Lease : RX - 803

Invoice : 6040	Stage : 17 of 17
Date : Tue 10/31/2006	Start Time : 13:59:42 (01:59 PM)
Customer : GUARDIEN EXPLORATION	Lease : RX - 803
State : PENNSYLVANIA	County : POTTER COUNTY
Engineer : NATHAN LINEMAN	Comments : DALLAS-MORRIS RIG
Primary : 3-1/2;NPT;J-55; 9.20# - USED	Secondary : NONE -
Formation : LEWISRUN	Job Type : MULTI STAGE OPEN HOLE FRAC
Treat Vol : 4250 GAL	Flush Vol : 1012 GAL
Top Int : 1948.5 FEET	Bottom Int : 70 SKS
Notch/Perf : 1 NOTCH EACH	Comments :

SPECIAL CALCULATIONS

AVERAGE PRESSURE: 2461 *** AVERAGE RATE: 16.5 *** AVERAGE HHP: 998 *** PTS USED: 9
 CALCULATED SHUT IN: ISIP *** 1582
 BROKE FORMATION: Brk Form *** 2935 BACK TO: 2820

LOGGED DATA

	Comment	WHTPsi	DIRTYbpm	s#DIRTYga	T#DIRTYga	HRPWRhhp
14:25:14	PAUSED	29	0.0	0	0	0
14:26:31	Brk Form	2296	1.9	9	9	228
14:27:58	SS 1/2	2480	9.7	586	586	596
14:28:00	ZEROSUB	2656	10.0	2	599	653
14:28:50	SS 1	2453	16.5	541	1137	995
14:29:18	SOB	2479	17.6	881	1477	1070
14:29:26	SS 1-1/2	2491	17.4	978	1574	1061
14:30:15	SS 2	2481	17.7	1570	2166	1077
14:32:13	CheckR&P	2445	17.7	3031	3627	1063
14:34:52	FS	2404	18.0	5027	5623	1059
14:35:32	SF	2387	17.9	5531	6127	1046
14:35:34	ZEROSUB	2392	18.0	15	6154	1051
14:36:56	F-F	2532	16.4	1010	7149	1015
14:37:10	ISIP	1519	0.0	1035	7174	0

POST JOB COMMENTS

<20.00> CW-3K-perpound
 <0.10> Ob - Fe Breaker per gallon
 <70.00> Sand - Local 20/40 Mesh - per sack
 Thank you for Using Superior Well Services
 Thank you for Using Superior Well Services
 Thank you for Using Superior Well Services
 Thank you for Using Superior Well Services

END OF REPORT

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 NORTHWEST REGIONAL OFFICE

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MAY 17 2007

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