

Montana Board of Oil and Gas Conservation Summary of Bond Activity

2/7/2011 Through 4/26/2011

Approved				Approved	
Baldwin Lynch Energy Corp Reno NV		673 G1		Amount:	4/18/2011 \$10,000.00
				Purpose:	Single Well Bond
Certificate of Deposit	\$10,000.00	US Bank			
Bar Triangle J Ranch, Inc. Havre MT		672 D1		Approved	4/1/2011
				Amount:	\$5,000.00
				Purpose:	Domestic Well Bond
Certificate of Deposit	\$5,000.00	Wells Fargo Bank, NA			
Beartooth Energy, LLC Tallahassee FL		657 G2		Approved	4/15/2011
				Amount:	\$5,000.00
				Purpose:	Single Well Bond
Surety Bond	\$5,000.00	FIDELITY & DEPOSIT CO. OF MD			
Dart Oil & Gas Corporation Mason MI		489 G1		Approved	2/10/2011
				Amount:	\$5,000.00
				Purpose:	Single Well Bond
Certificate of Deposit	\$5,000.00	VALLEY BANK OF HELENA, MT			
Energy Equity Company Meadow Vista CA		59 G1		Approved	4/7/2011
				Amount:	\$10,000.00
				Purpose:	Single Well Bond
Letter of Credit	\$10,000.00	Wells Fargo Bank, NA			
Fort Worth Operating Company, LLC Fort Worth TX		619 G11		Approved	4/18/2011
				Amount:	\$10,000.00
				Purpose:	Single Well Bond
Certificate of Deposit	\$10,000.00	FIRST INTERSTATE BANK			
Gallup City Oil, LLC Conrad MT		674 B1		Approved	4/22/2011
				Amount:	\$25,000.00
				Purpose:	Limited Bond
Certificate of Deposit	\$10,000.00	Teton Banks			
Letter of Credit	\$5,000.00	Teton Banks			
Surety Bond	\$10,000.00	TRAVELERS CASUALTY & SURETY CO. OF AMERICA			
Key Energy Services, LLC Midland TX		667 T2		Approved	2/22/2011
				Amount:	\$10,000.00
				Purpose:	UIC Single Well Bond
Surety Bond	\$10,000.00	RLI INSURANCE COMPANY			
Key Energy Services, LLC Midland TX		667 T1		Approved	2/22/2011
				Amount:	\$10,000.00
				Purpose:	UIC Single Well Bond
Surety Bond	\$10,000.00	RLI INSURANCE COMPANY			
Montana Land & Mineral Co. Billings MT		669 G1		Approved	2/10/2011
				Amount:	\$1,500.00
				Purpose:	Single Well Bond
Certificate of Deposit	\$1,500.00	FIRST INTERSTATE BANK			

Montana Board of Oil and Gas Conservation Summary of Bond Activity

2/7/2011 Through 4/26/2011

Approved

Oasis Petroleum North America LLC Houston TX	533 T7	Approved Amount: Purpose:	4/4/2011 \$10,000.00 UIC Single Well Bond
Surety Bond	\$10,000.00 RLI INSURANCE COMPANY		
Produced Water Solutions, Inc. Westminster CO	671 T1	Approved Amount: Purpose:	3/28/2011 \$10,000.00 UIC Single Well Bond
Certificate of Deposit	\$10,000.00 FIRST INTERSTATE BANK		
UnionTown Energy Montana LLC 59101	670 G1	Approved Amount: Purpose:	3/25/2011 \$10,000.00 Single Well Bond
Certificate of Deposit	\$10,000.00 Yellowstone Bank		

Released

Branch Oil & Gas Shelby MT	30 M1	Released Amount: Purpose:	3/29/2011 \$50,000.00 Multiple Well Bond
Certificate of Deposit	\$25,000.00 FIRST STATE BANK OF SHELBY		
Certificate of Deposit	\$15,000.00 FIRST STATE BANK OF SHELBY		
Surety Bond	\$10,000.00 U.S. FIDELITY & GUARANTEE CO.		
Canyon Natural Gas, LLC Billings MT	410 G3	Released Amount: Purpose:	3/28/2011 \$10,000.00 Single Well Bond
Certificate of Deposit	\$10,000.00 1ST INTERSTATE BANK		
Canyon Natural Gas, LLC Billings MT	410 G4	Released Amount: Purpose:	3/28/2011 \$10,000.00 Single Well Bond
Certificate of Deposit	\$10,000.00 1ST INTERSTATE BANK		
Dart Oil & Gas Corporation Mason MI	489 M1	Released Amount: Purpose:	2/10/2011 \$50,000.00 Multiple Well Bond
Certificate of Deposit	\$50,000.00 VALLEY BANK OF HELENA, MT		
Diversified Operating Corporation Golden CO	569 G1	Released Amount: Purpose:	3/16/2011 \$10,000.00 Single Well Bond
Certificate of Deposit	\$10,000.00 MONTANA STATE BANK, PLENTYWOOD		
Diversified Operating Corporation Golden CO	569 T1	Released Amount: Purpose:	3/16/2011 \$10,000.00 UIC Single Well Bond
Certificate of Deposit	\$10,000.00 MONTANA STATE BANK, PLENTYWOOD		
Diversified Operating Corporation Golden CO	569 G2	Released Amount: Purpose:	3/16/2011 \$10,000.00 Single Well Bond
Certificate of Deposit	\$10,000.00 MONTANA STATE BANK, PLENTYWOOD		

Montana Board of Oil and Gas Conservation
Summary of Bond Activity

2/7/2011 Through 4/26/2011

Released

Energy Equity Company
Meadow Vista CA

59 U1

Released
Amount:
Purpose:

4/6/2011
\$20,000.00
UIC Limited Bond

Letter of Credit

\$20,000.00

Wells Fargo Bank, NA

MONTANA BOARD OF OIL AND GAS CONSERVATION
April 28, 2011 - Dockets to Hear

	Applicant	DocketC	Status	Request	DateScheduled
1	Brigham Oil & Gas LP	67-2011		Temp. Spacing	4/28/2011
2	Brigham Oil & Gas LP	68-2011		Temp. Spacing	4/28/2011
3	Brigham Oil & Gas LP	85-2011		Spacing	4/28/2011
4	Brigham Oil & Gas LP	86-2011		Spacing	4/28/2011
5	Cirque Resources LP	111-2011		Temp. Spacing	4/28/2011
6	Cirque Resources LP	112-2011		Temp. Spacing	4/28/2011
7	Cirque Resources LP	113-2011		Temp. Spacing	4/28/2011
8	Cirque Resources LP	114-2011		Temp. Spacing	4/28/2011
9	Cirque Resources LP	115-2011		Temp. Spacing	4/28/2011
10	Central Montana Resources, LLC	119-2011		Temp. Spacing	4/28/2011
11	Central Montana Resources, LLC	121-2011		Temp. Spacing	4/28/2011
12	Central Montana Resources, LLC	122-2011		Temp. Spacing	4/28/2011
13	XTO Energy Inc.	133-2011		Pooling	4/28/2011
14	XTO Energy Inc.	134-2011		Pooling	4/28/2011
15	Oasis Petroleum, Inc.	139-2011		Spacing Amendment	4/28/2011
16	Oasis Petroleum, Inc.	140-2011		Spacing Amendment	4/28/2011
17	Oasis Petroleum, Inc.	141-2011		Spacing	4/28/2011
18	Beartooth Energy, LLC	142-2011		Exception - Production	4/28/2011
19	Devon Energy Production Co., LP	143-2011		Spacing	4/28/2011
20	Keesun Corporation	146-2011		Reduction	4/28/2011
21	Crusader Holdings, LLC	147-2011		Spacing	4/28/2011
22	Crusader Holdings, LLC	148-2011		Spacing	4/28/2011
23	Crusader Holdings, LLC	149-2011		Spacing	4/28/2011
24	Slawson Exploration Company Inc	150-2011		Spacing Amendment	4/28/2011
25	Slawson Exploration Company Inc	151-2011		Spacing Amendment	4/28/2011
26	Nadel and Gussman Rockies, LLC	154-2011		Field Rule Amendment	4/28/2011
27	L & H Resources, LLP	158-2011	WITHDRAWN	Temp. Spacing	4/28/2011
28	Balko, Inc.	162-2011		Spacing	4/28/2011
29	Balko, Inc.	163-2011		Spacing	4/28/2011
30	Balko, Inc.	164-2011		Spacing	4/28/2011
31	Montana Board of Oil & Gas	55-2011		Other	4/28/2011
32	Mountain Pacific General Inc.	240-2010		Show-Cause	4/28/2011
33	Zimmerman, Brent	165-2011		Show-Cause	4/28/2011

MONTANA BOARD OF OIL AND GAS CONSERVATION
April 28, 2011 - Default Docket

	Applicant	DocketC	Status	Request	DateScheduled
1	Marathon Oil Company	59-2011	Default	Temp. Spacing	4/28/2011
2	Marathon Oil Company	60-2011	Default	Temp. Spacing	4/28/2011
3	Marathon Oil Company	61-2011	Default	Temp. Spacing	4/28/2011
4	Marathon Oil Company	62-2011	Default	Temp. Spacing	4/28/2011
5	Brigham Oil & Gas LP	87-2011	Default	Well Density	4/28/2011
6	Tomahawk Oil Company, Inc.	89-2011	Default	Class II Permit	4/28/2011
7	Whiting Oil and Gas Corporation	90-2011	Default	Temp. Spacing	4/28/2011
8	Whiting Oil and Gas Corporation	91-2011	Default	Temp. Spacing	4/28/2011
9	Whiting Oil and Gas Corporation	93-2011	Default	Temp. Spacing	4/28/2011
10	Whiting Oil and Gas Corporation	95-2011	Default	Temp. Spacing	4/28/2011
11	Whiting Oil and Gas Corporation	96-2011	Default	Temp. Spacing	4/28/2011
12	Whiting Oil and Gas Corporation	99-2011	Default	Temp. Spacing	4/28/2011
13	Whiting Oil and Gas Corporation	100-2011	Default	Temp. Spacing	4/28/2011
14	Whiting Oil and Gas Corporation	101-2011	Default	Temp. Spacing	4/28/2011
15	Whiting Oil and Gas Corporation	102-2011	Default	Temp. Spacing	4/28/2011
16	Whiting Oil and Gas Corporation	103-2011	Default	Temp. Spacing	4/28/2011
17	Whiting Oil and Gas Corporation	104-2011	Default	Temp. Spacing	4/28/2011
18	Whiting Oil and Gas Corporation	105-2011	Default	Temp. Spacing	4/28/2011
19	Whiting Oil and Gas Corporation	106-2011	Default	Temp. Spacing	4/28/2011
20	Whiting Oil and Gas Corporation	107-2011	Default	Temp. Spacing	4/28/2011
21	Whiting Oil and Gas Corporation	108-2011	Default	Temp. Spacing	4/28/2011
22	Whiting Oil and Gas Corporation	109-2011	Default	Temp. Spacing	4/28/2011
23	Northern Oil Production	116-2011	Default	Class II Permit	4/28/2011
24	EOG Resources, Inc.	126-2011	Default	Temp. Spacing	4/28/2011
25	EOG Resources, Inc.	127-2011	Default	Temp. Spacing	4/28/2011
26	EOG Resources, Inc.	128-2011	Default	Temp. Spacing	4/28/2011
27	EOG Resources, Inc.	129-2011	Default	Temp. Spacing	4/28/2011
28	EOG Resources, Inc.	130-2011	Default	Temp. Spacing	4/28/2011
29	EOG Resources, Inc.	131-2011	Default	Temp. Spacing	4/28/2011
30	EOG Resources, Inc.	132-2011	Default	Temp. Spacing	4/28/2011
31	Sands Oil Company	135-2011	Default	Temp. Spacing	4/28/2011
32	Oasis Petroleum North America LLC	136-2011	Default	Class II Permit	4/28/2011
33	TAQA North USA, Inc.	144-2011	Default	Well Density	4/28/2011
34	TAQA North USA, Inc.	145-2011	Default	Well Density	4/28/2011
35	Newfield RMI LLC	152-2011	Default	Exception - Drilling	4/28/2011
36	Newfield RMI LLC	153-2011	Default	Exception - Drilling	4/28/2011
37	SM Energy Company	159-2011	Default	Temp. Spacing	4/28/2011
38	Urso Resources Group, LLC	160-2011	Default	Temp. Spacing	4/28/2011
39	Brigham Oil & Gas LP	378-2010	Default	Temp. Spacing	4/28/2011
40	Brigham Oil & Gas LP	386-2010	Default	Temp. Spacing	4/28/2011
41	Brigham Oil & Gas LP	394-2010	Default	Temp. Spacing	4/28/2011

MONTANA BOARD OF OIL AND GAS CONSERVATION
April 28, 2011 - Full Hearing List

	Applicant	DocketC	Status	Request	DateScheduled
1	Marathon Oil Company	59-2011	Default	Temp. Spacing	4/28/2011
2	Marathon Oil Company	60-2011	Default	Temp. Spacing	4/28/2011
3	Marathon Oil Company	61-2011	Default	Temp. Spacing	4/28/2011
4	Marathon Oil Company	62-2011	Default	Temp. Spacing	4/28/2011
5	Brigham Oil & Gas LP	63-2011	Continued	Temp. Spacing	4/28/2011
6	Brigham Oil & Gas LP	64-2011	Continued	Temp. Spacing	4/28/2011
7	Brigham Oil & Gas LP	65-2011	Continued	Temp. Spacing	4/28/2011
8	Brigham Oil & Gas LP	66-2011	Withdrawn	Temp. Spacing	4/28/2011
9	Brigham Oil & Gas LP	67-2011		Temp. Spacing	4/28/2011
10	Brigham Oil & Gas LP	68-2011		Temp. Spacing	4/28/2011
11	Brigham Oil & Gas LP	69-2011	Continued	Temp. Spacing	4/28/2011
12	Brigham Oil & Gas LP	70-2011	Continued	Temp. Spacing	4/28/2011
13	Brigham Oil & Gas LP	71-2011	Withdrawn	Temp. Spacing	4/28/2011
14	Brigham Oil & Gas LP	72-2011	Continued	Temp. Spacing	4/28/2011
15	Brigham Oil & Gas LP	73-2011	Continued	Temp. Spacing	4/28/2011
16	Brigham Oil & Gas LP	74-2011	Continued	Temp. Spacing	4/28/2011
17	Brigham Oil & Gas LP	75-2011	Withdrawn	Temp. Spacing	4/28/2011
18	Brigham Oil & Gas LP	76-2011	Withdrawn	Temp. Spacing	4/28/2011
19	Brigham Oil & Gas LP	77-2011	Continued	Temp. Spacing	4/28/2011
20	Brigham Oil & Gas LP	78-2011	Continued	Temp. Spacing	4/28/2011
21	Brigham Oil & Gas LP	79-2011	Continued	Temp. Spacing	4/28/2011
22	Brigham Oil & Gas LP	80-2011	Continued	Temp. Spacing	4/28/2011
23	Brigham Oil & Gas LP	81-2011	Continued	Temp. Spacing	4/28/2011
24	Brigham Oil & Gas LP	82-2011	Continued	Temp. Spacing	4/28/2011
25	Brigham Oil & Gas LP	83-2011	Continued	Temp. Spacing	4/28/2011
26	Brigham Oil & Gas LP	84-2011	Withdrawn	Temp. Spacing	4/28/2011
27	Brigham Oil & Gas LP	85-2011		Spacing	4/28/2011
28	Brigham Oil & Gas LP	86-2011		Spacing	4/28/2011
29	Brigham Oil & Gas LP	87-2011	Default	Well Density	4/28/2011
30	Brigham Oil & Gas LP	88-2011	Continued	Well Density	4/28/2011
31	Tomahawk Oil Company, Inc.	89-2011	Default	Class II Permit	4/28/2011
32	Whiting Oil and Gas Corporation	90-2011	Default	Temp. Spacing	4/28/2011
33	Whiting Oil and Gas Corporation	91-2011	Default	Temp. Spacing	4/28/2011
34	Whiting Oil and Gas Corporation	92-2011	Withdrawn	Temp. Spacing	4/28/2011
35	Whiting Oil and Gas Corporation	93-2011	Default	Temp. Spacing	4/28/2011
36	Whiting Oil and Gas Corporation	94-2011	Continued	Temp. Spacing	4/28/2011
37	Whiting Oil and Gas Corporation	95-2011	Default	Temp. Spacing	4/28/2011
38	Whiting Oil and Gas Corporation	96-2011	Default	Temp. Spacing	4/28/2011
39	Whiting Oil and Gas Corporation	97-2011	Continued	Temp. Spacing	4/28/2011
40	Whiting Oil and Gas Corporation	98-2011	Continued	Temp. Spacing	4/28/2011
41	Whiting Oil and Gas Corporation	99-2011	Default	Temp. Spacing	4/28/2011
42	Whiting Oil and Gas Corporation	100-2011	Default	Temp. Spacing	4/28/2011
43	Whiting Oil and Gas Corporation	101-2011	Default	Temp. Spacing	4/28/2011

MONTANA BOARD OF OIL AND GAS CONSERVATION
April 28, 2011 - Full Hearing List

	Applicant	DocketC	Status	Request	DateScheduled
44	Whiting Oil and Gas Corporation	102-2011	Default	Temp. Spacing	4/28/2011
45	Whiting Oil and Gas Corporation	103-2011	Default	Temp. Spacing	4/28/2011
46	Whiting Oil and Gas Corporation	104-2011	Default	Temp. Spacing	4/28/2011
47	Whiting Oil and Gas Corporation	105-2011	Default	Temp. Spacing	4/28/2011
48	Whiting Oil and Gas Corporation	106-2011	Default	Temp. Spacing	4/28/2011
49	Whiting Oil and Gas Corporation	107-2011	Default	Temp. Spacing	4/28/2011
50	Whiting Oil and Gas Corporation	108-2011	Default	Temp. Spacing	4/28/2011
51	Whiting Oil and Gas Corporation	109-2011	Default	Temp. Spacing	4/28/2011
52	Whiting Oil and Gas Corporation	110-2011	Withdrawn	Temp. Spacing	4/28/2011
53	Cirque Resources LP	111-2011		Temp. Spacing	4/28/2011
54	Cirque Resources LP	112-2011		Temp. Spacing	4/28/2011
55	Cirque Resources LP	113-2011		Temp. Spacing	4/28/2011
56	Cirque Resources LP	114-2011		Temp. Spacing	4/28/2011
57	Cirque Resources LP	115-2011		Temp. Spacing	4/28/2011
58	Northern Oil Production	116-2011	Default	Class II Permit	4/28/2011
59	Enerplus Resources USA Corporation	117-2011	Continued	Class II Permit	4/28/2011
60	Enerplus Resources USA Corporation	118-2011	Continued	Class II Permit	4/28/2011
61	Central Montana Resources, LLC	119-2011		Temp. Spacing	4/28/2011
62	Central Montana Resources, LLC	120-2011	Continued	Temp. Spacing	4/28/2011
63	Central Montana Resources, LLC	121-2011		Temp. Spacing	4/28/2011
64	Central Montana Resources, LLC	122-2011		Temp. Spacing	4/28/2011
65	Central Montana Resources, LLC	123-2011	Continued	Temp. Spacing	4/28/2011
66	True Oil LLC	124-2011	Continued	Temp. Spacing	4/28/2011
67	True Oil LLC	125-2011	Continued	Temp. Spacing	4/28/2011
68	EOG Resources, Inc.	126-2011	Default	Temp. Spacing	4/28/2011
69	EOG Resources, Inc.	127-2011	Default	Temp. Spacing	4/28/2011
70	EOG Resources, Inc.	128-2011	Default	Temp. Spacing	4/28/2011
71	EOG Resources, Inc.	129-2011	Default	Temp. Spacing	4/28/2011
72	EOG Resources, Inc.	130-2011	Default	Temp. Spacing	4/28/2011
73	EOG Resources, Inc.	131-2011	Default	Temp. Spacing	4/28/2011
74	EOG Resources, Inc.	132-2011	Default	Temp. Spacing	4/28/2011
75	XTO Energy Inc.	133-2011		Pooling	4/28/2011
76	XTO Energy Inc.	134-2011		Pooling	4/28/2011
77	Sands Oil Company	135-2011	Default	Temp. Spacing	4/28/2011
78	Oasis Petroleum North America LLC	136-2011	Default	Class II Permit	4/28/2011
79	Oasis Petroleum, Inc.	137-2011	Continued	Temp. Spacing	4/28/2011
80	Oasis Petroleum, Inc.	138-2011	Continued	Temp. Spacing	4/28/2011
81	Oasis Petroleum, Inc.	139-2011		Spacing Amendment	4/28/2011
82	Oasis Petroleum, Inc.	140-2011		Spacing Amendment	4/28/2011
83	Oasis Petroleum, Inc.	141-2011		Spacing	4/28/2011
84	Beartooth Energy, LLC	142-2011		Exception - Production	4/28/2011
85	Devon Energy Production Co., LP	143-2011		Spacing	4/28/2011
86	TAQA North USA, Inc.	144-2011	Default	Well Density	4/28/2011

MONTANA BOARD OF OIL AND GAS CONSERVATION
April 28, 2011 - Full Hearing List

	Applicant	DocketC	Status	Request	DateScheduled
87	TAQA North USA, Inc.	145-2011	Default	Well Density	4/28/2011
88	Keesun Corporation	146-2011		Reduction	4/28/2011
89	Crusader Holdings, LLC	147-2011		Spacing	4/28/2011
90	Crusader Holdings, LLC	148-2011		Spacing	4/28/2011
91	Crusader Holdings, LLC	149-2011		Spacing	4/28/2011
92	Slawson Exploration Company Inc	150-2011		Spacing Amendment	4/28/2011
93	Slawson Exploration Company Inc	151-2011		Spacing Amendment	4/28/2011
94	Newfield RMI LLC	152-2011	Default	Exception - Drilling	4/28/2011
95	Newfield RMI LLC	153-2011	Default	Exception - Drilling	4/28/2011
96	Nadel and Gussman Rockies, LLC	154-2011		Field Rule Amendment	4/28/2011
97	Abraxas Petroleum Corporation	155-2011	Continued	Temp. Spacing	4/28/2011
98	Abraxas Petroleum Corporation	156-2011	Continued	Temp. Spacing	4/28/2011
99	Abraxas Petroleum Corporation	157-2011	Continued	Temp. Spacing	4/28/2011
100	L & H Resources, LLP	158-2011		Temp. Spacing	4/28/2011
101	SM Energy Company	159-2011	Default	Temp. Spacing	4/28/2011
102	Ursa Resources Group, LLC	160-2011	Default	Temp. Spacing	4/28/2011
103	Decker Operating Company, L.L.C.	161-2011	Withdrawn	Well Density	4/28/2011
104	Balko, Inc.	162-2011		Spacing	4/28/2011
105	Balko, Inc.	163-2011		Spacing	4/28/2011
106	Balko, Inc.	164-2011		Spacing	4/28/2011
107	Slawson Exploration Company Inc	314-2010	Continued	Temp. Spacing	4/28/2011
108	Brigham Oil & Gas LP	378-2010	Default	Temp. Spacing	4/28/2011
109	Brigham Oil & Gas LP	383-2010	Continued	Temp. Spacing	4/28/2011
110	Brigham Oil & Gas LP	384-2010	Continued	Temp. Spacing	4/28/2011
111	Brigham Oil & Gas LP	386-2010	Default	Temp. Spacing	4/28/2011
112	Brigham Oil & Gas LP	388-2010	Withdrawn	Temp. Spacing	4/28/2011
113	Brigham Oil & Gas LP	394-2010	Default	Temp. Spacing	4/28/2011
114	Brigham Oil & Gas LP	395-2010	Withdrawn	Temp. Spacing	4/28/2011
115	Slawson Exploration Company Inc	5-2011	Continued	Spacing	4/28/2011
116	Slawson Exploration Company Inc	6-2011	Continued	Pooling	4/28/2011
117	Slawson Exploration Company Inc	7-2011	Continued	Spacing	4/28/2011
118	Slawson Exploration Company Inc	8-2011	Continued	Pooling	4/28/2011
119	Slawson Exploration Company Inc	9-2011	Continued	Spacing	4/28/2011
120	Slawson Exploration Company Inc	10-2011	Continued	Pooling	4/28/2011
121	Slawson Exploration Company Inc	11-2011	Continued	Spacing	4/28/2011
122	Kodiak Oil & Gas Corp.	53-2011	Withdrawn	Spacing	4/28/2011
123	Kodiak Oil & Gas Corp.	54-2011	Withdrawn	Pooling	4/28/2011
124	Montana Board of Oil & Gas	55-2011		Other	4/28/2011
125	Mountain Pacific General Inc.	240-2010		Show-Cause	4/28/2011
126	Zimmerman, Brent	165-2011		Show-Cause	4/28/2011

FINANCIAL STATEMENT
As of 4/1/11
Percent of Year Elapsed: 75

OIL AND GAS DIVISION FY11 Budget vs. Expenditures																						
FTE Obj	2011 Regulatory Budget	Expend	Expend % of Budget	2011 UIC Budget	Expend	Expend % of Budget	2011 Educ & Outreach Budget*	Expend	Expend % of Budget	2011 NAPE Budget*	Expend	Expend % of Budget	2011 Restore Env Coord	Expend	Expend % of Budget	2011 Equipment OTG	Expend	Expend % of Budget	2011	2011	Expend	
																			TOTAL BUDGET	TOTAL EXPENDS	% of Budget	
	17.0			3.5															20.5			
1000 General PS													74,676						74,676			
1100 Salaries	909,790	451,363	0.67	302,124	118,475	0.51													1,211,917		569,837	0.63
1300 Other Comp		3,899	0.00		377	-													-		4,276	0.00
1400 Benefits/Ins		151,522			36,669														-		188,191	
1600 Vacancy Svcs																						
2000 General Operating	603,129	129,375	0.21	55,211	11,174	0.20	59,500			7,500									59,500			0.00
2100 Contracted Svcs																			605,940		140,549	0.21
2200 Supplies	81,819	41,676	0.67	4,801	8,760	1.82													66,620		50,436	0.76
2300 Communications	35,434	30,065	1.03	4,095	8,974	1.93													40,423		45,638	1.13
2400 Travel	39,377	21,240	0.54	533	2,878	5.40													39,910		24,118	0.60
2500 Rent	20,558	12,555	0.61	1,457	1,611	1.11													22,015		14,156	0.64
2600 Utilities	12,789	10,930	0.85	1,857	2,181	1.17													14,646		13,111	0.90
2700 Repair/Maint	18,615	6,840	0.37	3,126	1,598	0.54													21,741		8,537	0.39
2800 Other Expenses	40,379	35,896	0.89	2,819	8,974	3.18													43,198		44,869	1.04
3000 General Equip			0.00	12,500															52,500			0.00
3100 Equipment																			77,221			
6000 Grants	77,221		0.00				3,000												3,000			
Total	1,819,114	901,960	0.50	389,417	201,769	0.52	62,500			7,500			74,676			50,000			2,403,207	1,103,730	0.46	
FUNDING																						
State Special	1,819,114	901,960		254,475	155,970		62,500			7,500			74,676			50,000			2,268,265	1,057,930		
Federal				134,942	45,799														134,942	45,799		
Total Funds	1,819,114	901,960		389,417	201,769		62,500			7,500			74,676			50,000			2,403,207	1,103,730		

REVENUE INTO STATE SPECIAL REVENUE ACCOUNT 4/1/11			
	FY11	Total FY10	Percentage FY11:FY10
Oil Production Tax	1,150,446	1,296,500	0.89
Gas Production Tax	203,826	245,292	0.83
Drilling Permit Fees	38,150	39,608	0.96
UIC Permit Fees	205,850	214,500	0.96
Enhanced Recovery Filing Fee			
Interest on Investments	27,721	47,705	0.58
Insurance Proceeds	-	450	0.00
Copies of Documents	3,793	10,065	0.38
Miscellaneous Reimbursemts	25300	18,907	1.34
TOTALS	\$ 1,655,086	1,873,027	0.88

REVENUE INTO DAMAGE MITIGATION ACCOUNT as of 4/1/11	
	FY11
Transfer in from Orphan Share	0
RIT Interest	0
Bond Forfeitures	0
Interest on Investments	567
TOTAL	567

BOND FORFEITURES	
Go into Damage Mitigation Account	
	0

REVENUE INTO GENERAL FUND FROM FINES as of 4/26/11	
	FY11
Summer Night Oil Company LLC	20
McOil Montana One LLC	30
Carrell Oil Company	6400
United States Energy	10
Hawley Oil (July 30, 2010)	260
Hawley Oil (Aug 5, 2010)	260
Brandon Debbie	20
Constitution Petroleum Co., Inc.	280
Hofland James D (August 31, 2010)	100
Hofland James D (Sept 24, 2010)	160
JH Oil Company	40
Misc Oil Company	10
Phoenix Energy	80
King-Sherwood Oil Co	150
Grey Wolf Production Company Inc	50
Roland Oil & Gas LLC	20
Native American Energy Group	360
Carrell Oil Company	6400
Southside Oil & Gas LTD	30
Potlatch Oil & Refining	20
United States Energy	10
Brainstorm Energy/GS Producing	140
Dixie McHugh/Athena Energy	560
Primary Petroleum Company USA	10
Grey Wolf Production Company Inc	50
United States Energy	100
Denbury/ Encore Energy Partners	90
Prairie Rose Resources/BlackHawk	10
Sonkar Inc.	20
Columbia Petroleum	20
TOTAL	15,710

INVESTMENT ACCOUNT BALANCES 4/1/11	
Oil & Gas ERA	14,887,685.95
Damage Mitigation	295,037.68

GRANT BALANCES - 4/1/11			
<u>Name</u>	<u>Authorized Amt</u>	<u>Expended</u>	<u>Balance</u>
2009 Northern	300,000	0	300,000
2009 Southern	300,000	0	300,000
2007 Tank Battery	304,847	166,048	138,799
2007 Northern	323,572	331,003	(7,431)
TOTALS	\$1,228,419	\$497,051	\$731,368

CONTRACT BALANCES - 4/1/11			
HydroSolutions - Tongue River Info Project	1,218,486	984,892	233,594
Automated Maintenance Services, Inc.	27,458	14,128	13,330
Agency Legal Services - Legal	60,000	23,110	36,890
Central Avenue Mall	400	400	0
ALL-LLC - FY11 Engineering & Database Maint.	20,000	0	20,000
Liquid Gold Well Service, Inc. - 09 Northern	165,000	0	165,000
Liquid Gold Well Service, Inc. - 09 Southern	165,000	0	165,000
Liquid Gold Well Service, Inc. - 07 Northern	373,572	373,079	493
C-Brewer - 07 Southern Tank Battery (og-cb-134)	215,000	166,048	48,952
TOTALS	2,244,916	1,561,657	683,259

Agency Legal Services Expenditures in FY11		
<u>Case</u>	<u>Amt Spent</u>	<u>Last Svc Date</u>
BOGC Duties	20,869	3/11
Tongue & Ylwstone Irri	2,241	10/10
Total	23,110	

Out of State Travel Expenditures as of 4/1/11			
	Regulatory	UIC	Total
Commercial Transport	818	-	818
Lodging	1,686	338	2,024
Car Rental	185	-	185
Special Fees	96	-	96
Meals	234	351	585
Non-Employee Other	236	26	262
Non receipt lodging		12	12
Other - training	<u>-</u>	<u>14</u>	<u>14</u>
Total	3,255	741	3,995
BUDGET for FY11 - \$7808			
FY08 expenditures (12,012) reduced by 35 percent (4204)			

EXHIBIT 5 RECEIVED
DEPARTMENT OF NATURAL RESOURCES
AND CONSERVATION

APR 25 2011

BOARD OF OIL AND GAS CONSERVATION

MONTANA BOARD OF OIL
AND GAS CONSERVATION
BILLINGS

BRIAN SCHWEITZER, GOVERNOR

OIL AND GAS CONSERVATION



STATE OF MONTANA

Iofina Natural Gas, Inc.
Attn: Jamie Davis – COO
8480 E. Orchard Road #3600
Greenwood Village, CO 80111

4-22-11

RE: Iodine Plant/Gas Well/Injection Well Operations
Hill County, Montana
34-36N 11-12E

Mr. Davis:

A recent inspection was done 4-19-11 on some of your operations. It was found that your gas and injection well operations are shut-in/shut down and have been in this status for about six months now. The injection wells are unhooked, some equipment (compressors) has been stripped off leases thus rendering your gas reinjection process to lift water out of wells for iodine extraction inoperable. Your iodine plant up by Gildford Colony is doing some processing of product brought in from out of state and is not handling anything presently from your Montana operations.

What are your near term future plans for your gas and injection well operations in Montana? You have many wells bonded with the Montana Board of Oil & Gas Conservation and if they remain shut-in for over a year and there is no future commercial use for them you will be asked to implement and begin plugging/restoration plans.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary Klotz".

Gary Klotz – Field Supervisor Northern District
MBOGC, Shelby Field Office

cc: Steve Sasaki, Jim Halvorson – MBOGC Billings, MT

DIVISION OFFICE
1625 ELEVENTH AVENUE
PO BOX 201601
HELENA, MONTANA 59620-1601
(406) 444-6675

TECHNICAL AND
SOUTHERN FIELD OFFICE
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102-4693
(406) 656-0040

NORTHERN FIELD OFFICE
201 MAIN STREET
PO BOX 690
SHELBY, MONTANA 59474-0690
(406) 434-2422



GOVERNOR'S OFFICE OF
BUDGET AND PROGRAM PLANNING

Fiscal Note 2013 Biennium

To open, right click on "Select a bill", select Worksheet Object/Edit. To exit, click outside the spreadsheet.

Bill #	HB0604	Title:	Provide for fund transfers to the guarantee account and old state fund account
Primary Sponsor:	Cook, Rob	Status:	As Introduced

- Significant Local Gov Impact
 Needs to be included in HB 2
 Technical Concerns
 Included in the Executive Budget
 Significant Long-Term Impacts
 Dedicated Revenue Form Attached

FISCAL SUMMARY

To open the fiscal Summary spreadsheet, right click on the spreadsheet, select Worksheet Object/Edit. To exit the spreadsheet, click outside of the spreadsheet.

	<u>FY 2012 Difference</u>	<u>FY 2013 Difference</u>	<u>FY 2014 Difference</u>	<u>FY 2015 Difference</u>
Expenditures:				
General Fund	\$0	\$0	\$0	\$0
State Special Revenue	(\$12,000,000)	\$0	\$0	\$0
Federal Special Revenue	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0
Revenue:				
General Fund	\$12,000,000	\$0	\$0	\$0
State Special Revenue	\$0	\$0	\$0	\$0
Federal Special Revenue	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0
Net Impact-General Fund Balance:	<u>\$12,000,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>

Description of fiscal impact: Transfers \$12 million from the oil and gas conservation account (02432) to the guarantee account in the general fund. After the transfer, appropriations from the oil and gas conservation account exceed revenues and the account will be insolvent at the end of fiscal year 13. The Board of Oil & Gas will have to increase its percentage of privilege and license tax receipts in order to fund future operations.

FISCAL ANALYSIS

Assumptions:

- After transfer (by August 15, 2011), the balance in oil and gas conservation account will be approximately \$ 3,570,250. This beginning fund balance is not reflected in the fiscal impact table on page 4 of this fiscal note.

Balance 3/9/11	15,118,826
Add'l privilege and license tax	<u>451,424</u>
Balance as of FYE 11	15,570,250
Less transfer to general fund	<u>(12,000,000)</u>
Balance as of Aug 15, 2011 - FY12	3,570,250

- As of House Appropriations action, Oil & Gas Division budget for 13 biennium is 3,950,876 in FY 12 and 3,954,763 in FY 13
- Revenue going into the account after the transfer is insufficient to fund appropriations from the account in the 13 and 15 biennia.

Revenue into Oil & Gas Conservation Account				
	FY 12	FY 13	FY 14	FY 15
privilege & license taxes	1,805,696	1,805,696	1,895,981	1,895,981
Injection well fees	214,000	214,000	214,000	214,000
interest earnings	<u>11,449</u>	<u>5,725</u>	-	-
Total	2,031,145	2,025,421	2,109,981	2,109,981

- Privilege and License Tax Proceeds - The Board is authorized in statute to collect up to 0.03 percent (three-tenths of one percent) of the privilege and license tax receipts (a tax on the marketed value of oil and gas produced in the state). These funds are deposited in the oil and gas conservation account. The Board has reduced the amount of privilege and license receipts it collects three times since 2002: first a reduction to 0.026 percent in September 02; second a reduction to 0.018 percent in September 2005; and finally a reduction to 0.009 percent in December 2006. The amount of privilege and license tax proceeds distributed to the Board currently is 0.009 percent, which generates approximately 451,424 per quarter or \$1,805,696 per year. This fiscal note assumes same amount will be collected in FY 12 and 13, and a 5 percent increase in FY14 and 15 due to price/production increases;
- Underground Injection Control Well Fees - The Board also deposits UIC annual injection well fees into this account (\$200 per well per year), which amounted to approximately 214,000 in FY 10. The same amount of revenue is anticipated per year through the 15 biennium; and
- Interest Earnings - The Board retains interest earnings in this account, which amounted to \$47,705 in fiscal year 10. If the fund balance is reduced by 76 percent after transfer, it is assumed interest earnings for that year (fiscal year 12) will also be reduced by 76 percent (36,256). It is further assumed interest earnings will again be reduced by 50 percent in fiscal year 13 due to declining fund balance, and will be eliminated in fiscal years 14 and 15.

4. Expenditures - Using Oil & Gas Division appropriations for fiscal years 12 and 13 after House Appropriations action, and estimating fiscal years 14 and 15 levels (using a 1.0009 percent increase in personal services and a 1.001 percent increase in operating expenses), it appears expenditures will exceed revenues into the account at the end of fiscal year 13. (Expenditures are further detailed in the fiscal impact table on page 4.)
5. Projected oil and gas conservation account fund balance during the next four years would be as follows after the fund transfer

With current 0.009 percent P&L tax collection				
	FY 12	FY 13	FY 14	FY 15
Beginning Balance	3,570,250	1,758,070	(63,721)	(1,804,277)
Plus Revenues	2,031,145	2,025,421	2,109,981	2,109,891
Less Expenditures	<u>(3,843,325)</u>	<u>(3,847,212)</u>	<u>(3,850,537)</u>	<u>(3,854,316)</u>
Ending Balance	1,758,070	(63,721)	(1,804,277)	(3,548,702)

6. In order to spend its full appropriation each year, it will be necessary for the Board to increase the level of privilege and license tax revenues, as other current revenue levels are static and total projected revenue over the next two biennia only funds 52-54 percent of expenditures. It is anticipated in fiscal year 12 the Board will need to at least double its distribution of privilege and license tax revenue by increasing the rate to 0.018 percent. This would increase revenue to the Board by 1,805,696 in fiscal year 13 and 1,895,981 per year in fiscal years 14 and 15, but would decrease revenues to impacted oil and gas cities and towns by the same amount. The following table shows the difference to ending fund balance in the oil and gas conservation account if the Board's privilege and license tax distribution is doubled.

With increased P&L tax collection - to 0.018 percent				
	FY 12	FY 13	FY 14	FY 15
Beginning Balance	3,570,250	1,758,070	1,741,975	1,897,400
Plus Revenues	2,031,145	3,831,117	4,005,962	4,005,872
Less Expenditures	<u>(3,843,325)</u>	<u>(3,847,212)</u>	<u>(3,850,537)</u>	<u>(3,854,316)</u>
Ending Balance	1,758,070	1,741,975	1,897,400	2,048,956

To open the spreadsheet below, right click on the spreadsheet, select Worksheet Object/Edit. To exit the spreadsheet, click outside of the spreadsheet.

	<u>FY 2012</u> <u>Difference</u>	<u>FY 2013</u> <u>Difference</u>	<u>FY 2014</u> <u>Difference</u>	<u>FY 2015</u> <u>Difference</u>
<u>Fiscal Impact:</u>				
FTE	0.00	0.00	0.00	0.00
<u>Expenditures:</u>				
Personal Services	\$1,314,604	\$1,315,899	\$1,317,083	\$1,318,268
Operating Expenses	\$2,588,197	\$2,590,789	\$2,593,379	\$2,595,973
Equipment	\$48,075	\$48,075	\$48,075	\$48,075
Benefits	\$0	\$0	\$0	\$0
Transfers	\$0	\$0	\$0	\$0
TOTAL Expenditures	\$3,950,876	\$3,954,763	\$3,958,537	\$3,962,316

Funding of Expenditures:

General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	\$3,843,325	\$3,847,212	\$3,850,537	\$3,854,316
Federal Special Revenue (03)	\$107,551	\$107,551	\$108,000	\$108,000
Other	\$0	\$0	\$0	\$0
TOTAL Funding of Exp.	\$3,950,876	\$3,954,763	\$3,958,537	\$3,962,316

Revenues:

General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	\$2,031,145	\$2,025,421	\$2,109,981	\$2,109,981
Federal Special Revenue (03)	\$107,551	\$107,551	\$108,000	\$108,000
Other	\$0	\$0	\$0	\$0
TOTAL Revenues	\$2,138,696	\$2,132,972	\$2,217,981	\$2,217,981

Net Impact to Fund Balance (Revenue minus Funding of Expenditures):

General Fund (01)	\$0	\$0	\$0	\$0
State Special Revenue (02)	(\$1,812,180)	(\$1,821,791)	(\$1,740,556)	(\$1,744,335)
Federal Special Revenue (03)	\$0	\$0	\$0	\$0
Other	\$0	\$0	\$0	\$0

Effect on County or Other Local Revenues or Expenditures:

1. Section 15-36-304(7)(b), MCA stipulates that some of the Board's avoided privilege and license tax receipts be distributed to oil-impacted cities and towns. The Board is authorized to collect 0.03 percent. The difference between 0.026 percent and what the Board currently collects (0.009 percent) goes to cities and towns impacted by oil and gas exploration and production.
2. Starting in fiscal year 13, when it would be necessary for the Board to double its privilege and license tax receipts to at least 0.018 percent, there would be a decrease in revenue to cities and towns impacted by oil and gas development of approximately 1.8 million in fiscal year 13 and 1.9 million per year in fiscal years 14 and 15.

Long-Term Impacts:

1. If revenues decrease or expenditures increase it may be necessary in the future to further increase the Board's distribution of privilege and license tax receipts, which would further reduce revenues to oil-impacted cities and towns. If the board increased it distribution to 0.026 or greater, the cities and towns would get no funds from this source.
- 2.
- 3.

Technical Notes:

1. The change to 82-11-135 should be temporary. Otherwise future legislatures could raid the account again for purposes other than which the account was established. .
2. Additional expenditures from the oil and gas conservation account are included in House Bill 2, including \$103,000 per year for Montana Rural Water Systems training and technical assistance (done in Subcommittee).

<i>Sponsor's Initials</i>	<i>Date</i>	<i>Budget Director's Initials</i>	<i>Date</i>
Fiscal note prepared by: Terri Perrigo			
Agency: DNRC Oil & Gas			
Phone number: 444-6970			

Discussion Draft – Hydraulic Fracturing Rules – April 25, 2011, TPR

New Rule I (36.22.609) WELL STIMULATION ACTIVITIES COVERED BY DRILLING PERMIT

- 1) Well completions which include hydraulic fracturing, acidizing, or other chemical stimulation ordinarily done to properly complete the well are considered permitted activities under the drilling permit if the processes, anticipated volumes and types of materials planned for use are adequately described in the permit application.
- 2) For wildcat or exploratory wells or when the operator is unable to determine that hydraulic fracturing, acidizing, or other chemical treatment will be done to complete the well, the operator may provide written supplemental information at any time prior to commencing such activities, but the written information must be provided to the board's staff at least 24 hours before commencement of well stimulation activities.
For the purpose of this section, an adequate description of the proposed well stimulation includes the estimated total volume of treatment to be used, the trade name or generic name, amount or volume of the principle components such as viscosifiers, acids, or gelling agents, the weight or volume of inert substances such as proppants, and other substances injected to aid in well cleanup, either for each stage of a multi-stage job or for the total job; the anticipated surface treating pressure and the maximum anticipated treating pressure. The Owner or Operator or service company may provide a copy of a final design of well treatment actually used for similar wells and which reflects the likely design for the well to be permitted or a pre-filed generic design submitted for specific geologic formations, geographic areas, or well types likely to be used in a particular well.

New Rule II (36.22.1013) DISCLOSURE OF WELL STIMULATION FLUIDS

- 1) The owner or operator of a well shall provide the Board, on its Well Completion or Recompletion report (Form 4) for a new well, or Subsequent Report (Form 2) for an existing well a description of the interval(s) or formation treated, the type of treatment pumped (acid, chemical, fracture stimulation), the amount and type(s) of material pumped and the rates and maximum pressure during treatment.
- 2) For hydraulic fracturing treatments the amount and type of material used must include a description of the stimulation fluid identified by additive type (e.g.: acid, biocide, breaker, brine, corrosion inhibitor, crosslinker, demulsifier, friction reducer, gel, iron control, oxygen scavenger, pH adjusting agent, proppant, scale inhibitor, surfactant), the chemical compound name and Chemical Abstracts Service (CAS) number for each constituent of the additive used. The rate or concentration for each additive shall be provided in appropriate measurement units (pounds per gallon, gallons per thousand gallons, percent by weight or percent by volume, or parts per million)
- 3) The owner or operator may submit the service contractor's job log, final treatment report (without any cost/pricing data), or an owner or operator representative's well treatment job log or other report providing the above required information.
- 4) The Administrator may waive all or portion of paragraph 2 or 3 of this section if the owner or operator demonstrates that it has provided information to the Interstate Oil and Gas

Compact Commission/Groundwater Protection Council hydraulic fracturing website, or other Internet information repository that can be accessed by the public

New Rule III (36.22.1013) Proprietary Chemicals and Trade Secrets

- 1) As provided in 82-11-117 (MCA) , where the use or composition of a chemical product is unique to the owner or operator or service contractor and would, if disclosed, reveal methods or processes entitled to protection as trade secrets such a chemical need not be disclosed to the Board or staff. The owner or operator or service contractor may identify the trade secret chemical or product by trade name, inventory name or other unique name and the quantity of such constituent(s) used.
- 2) If necessary to respond to a spill or release of a trade secret product the owner, operator, or service contractor must provide to the Board or staff, upon request, a list of the chemical constituents contained in a trade secret product. The Board Administrator may request information be provided orally or be provided directly to a laboratory or other third party performing analysis for the Board.
- 3) The owner or operator or service contractor must also provide the chemical constituents of a trade secret product to a health professional who provides a written statement that knowledge of the chemical constituents of such product is needed for purposes of diagnosis or treatment of an individual and the individual being diagnosed or treated may have been exposed to the chemical concerned. The health professional may not use the information for purposes other than the health needs asserted in the statement of need, and may be required to execute a nondisclosure agreement.
- 4) Where a health professional determines that a medical emergency exists and the chemical constituents of a trade secret product are necessary for emergency treatment, the owner or operator or service contractor shall immediately disclose the chemical constituents of a product to that health professional upon a verbal acknowledgement by the health professional that such information shall not be used for purposes other than the health needs asserted and that the health professional shall otherwise maintain the information as confidential. The owner or operator or service contractor may request a written statement of need, and a Confidentiality Agreement from a health professional as soon as circumstances permit.

New Rule IV (36.22.1106) Safety and Well Control Requirements – Hydraulic Fracturing

1. New and existing wells which will be stimulated by hydraulic fracturing must demonstrate mechanical integrity.
2. Prior to initiation of fracture stimulation, production casing or intermediate casing must be tested to the maximum anticipated treating pressure in the unsupported (uncemented) portion of the casing exposed to treating pressure. If the casing fails the pressure test it must be repaired or the operator must use a temporary casing string (frac string). A temporary casing string (frac string) must be stung into a liner or run on a packer set not less than 100 feet below the cement top of the production or intermediate casing and must be tested to not less than maximum anticipated treating pressure minus the annulus pressure applied between the frac string and the production or immediate casing.

3. A casing pressure test will be considered successful if the pressure applied has been held for 15 minutes with no more than five percent pressure loss.
4. A pressure relief valve(s) must be installed on the treating lines between pumps and wellhead to limit the line pressure to the test pressure determined above.
5. Surface casing valve must remain open while hydraulic fracturing operations are in progress; the annular space between the temporary casing (frac string) and the intermediate or production casing must be monitored and may be pressurized to a pressure not to exceed the pressure rating of the lowest rated component that would be exposed to pressure should the frac string fail.

New Rule V Work-over, Re-completion, well stimulation - Notice and Approval

1. No well may be re-perforated, re-completed, re-worked, chemically stimulated, or hydraulically fractured without first notifying the board on Form No. 2 and receiving approval from the administrator or other authorized representative of the Board. Within 30 days following completion of the well work, a subsequent report of the actual work performed must be submitted on Form No.2.
2. Well repairs, including tubing, pump, sucker rod replacement or repair, repairs and reconfiguration of well equipment which do not substantially change the mechanical configuration of the well bore or casing do not require prior approval or a subsequent report. Acid and chemical treatments of less than 5,000 gallons, hot oil treatments, and similar treatments intended to clean perforations, remove scale or paraffin, or remedy near-well bore damage do not require prior approval.

WELCOME

Welcome to FracFocus, the hydraulic fracturing chemical registry website. This website is a joint project of the Ground Water Protection Council and the Interstate Oil and Gas Compact Commission.

On this site you can search for information about the chemicals used in the hydraulic fracturing of oil and gas wells. You will also find educational materials designed to help you put this information in perspective.

[LEARN MORE >](#)

- [Home](#)
- [Hydraulic Fracturing](#)
- [Casing & Cement](#)
- [State Regulations](#)
- [Chemical Use](#)

Looking for information about a well site near you?



Search for nearby well sites that have been hydraulically fractured to see what chemicals were used in the process.

FAQs

[1 / 3 >](#)

I know there are wells in my area that have been fractured, but when I search for them I get no results. Why?

The most likely reasons are that either the wells were fractured before January 1, 2011 or they have not yet been entered into the system. Only wells fractured after January 1st will be entered into the system and since the uploading of records began only recently it will take some time before a large number of wells is available. Please keep checking back as wells are added on a daily basis.

[4 / FAQs >](#)

Is groundwater protected?



Groundwater Protection: Priority Number One

Oil and natural gas producers have stringent requirements for how wells must be completed. The genesis of these requirements is water safety.

Casing is the first line of defense used to protect freshwater sources.



Operator Site Usage Training

The GWPCC and IOGCC have made intentional efforts to inform stakeholders and the interested public in the details of FracFocus development. Updates have been provided at a number of public meetings and more informal meetings with environmental groups, the public, state and federal regulators and industry representatives.

[Back to top](#)





HYDRAULIC FRACTURING
HOW IT WORKS

GROUNDWATER
PROTECTION

CHEMICAL
USE

REGULATIONS
BY STATE

FIND A WELL
BY STATE

FREQUENT
QUESTIONS

Find a Well

[Back To Search](#)

API No.	Job Date	State	County	Operator	WellName	Well Type	Latitude	Longitude	Project State
30-015-37162	3/4/2011	New Mexico	Eddy	Apeache Corporation	Birdie Federal #7	Oil	32.837070	-103.993170	NAD27
30-015-37358	2/26/2011	New Mexico	Eddy	Apeache Corporation	NFE Federal #9	Oil	32.848013	-103.892450	NAD27
30-015-38293	3/7/2011	New Mexico	Eddy	Devon Energy Production Co...	Cotton Drew Unit #134H	Oil	32.152805	-103.756159	NAD27
30-015-27153	3/26/2011	New Mexico	Eddy	Devon Energy Production Co...	Pure Gold C-17 Fed #4	Oil	32.306680	-103.791890	NAD27
30-015-38059	3/1/2011	New Mexico	Eddy	Devon Energy Production Co...	Spud 16 State #9H	Oil	32.301331	-103.967356	NAD27
30-015-37643	3/25/2011	New Mexico	Eddy	Apeache Corporation	Berradell Federal #18	Oil	32.808277	-104.061577	NAD27
30-015-37359	3/11/2011	New Mexico	Eddy	Apeache Corporation	NFE Federal #11	Oil	32.851747	-103.888525	NAD27
30-015-38237	3/26/2011	New Mexico	Eddy	Devon Energy Production Co...	Arcurus 18 Federal #1H	Oil	32.666572	-103.900724	NAD27
30-015-38238	3/22/2011	New Mexico	Eddy	Devon Energy Production Co...	Sirus 17 Federal #1H	Oil	32.666435	-103.900724	NAD27
30-017-67224	3/1/2011	New Mexico	Grant	Apeache Corporation	NMI#32290h	Oil	31.469871	-102.383460	NAD27
30-025-40013	3/1/2011	New Mexico	Lea	Apeache Corporation	Coll M W #2	Oil	32.481575	-103.110258	NAD27
30-025-40014	3/7/2011	New Mexico	Lea	Apeache Corporation	Lynch Walter#14	Oil	32.427120	-103.119380	NAD27
30-025-39988	2/28/2011	New Mexico	Lea	Apeache Corporation	BDWU#136	Oil	32.477931	-103.167890	NAD27
30-025-39965	2/24/2011	New Mexico	Lea	Apeache Corporation	Blinby Drinkard West unit...	Oil	32.510530	-103.167002	NAD27
30-025-40019	3/14/2011	New Mexico	Lea	Apeache Corporation	House #3	Oil	32.577572	-103.108257	NAD27
30-025-34548	3/26/2011	New Mexico	Lea	Devon Energy Production Co...	Waljammer 15 Fed #1	Oil	32.836150	-103.746440	NAD27
30-025-39989	3/9/2011	New Mexico	Lea	Apeache Corporation	Blinby Drinkard W #129	Oil	32.473094	-103.167890	NAD27
30-025-39965	2/24/2011	New Mexico	Lea	Apeache Corporation	BDWU #131	Oil	32.510569	-103.166500	NAD27
30-025-40065	3/3/2011	New Mexico	Lea	Apeache Corporation	Turner #10	Oil	32.443889	-103.180833	NAD27
30-025-39968	2/22/2011	New Mexico	Lea	Apeache Corporation	Melot #4	Oil	32.593910	-103.116050	NAD27



Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	3/4/2011
State:	NM
County:	Eddy
API Number:	30-015-37162
Operator Name:	Apache Corporation
Well Name and Number:	Birdie Federal #7
Longitude:	-103.99317
Latitude:	32.83707
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	6,000
Total Water Volume (gal):	237,174

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%	82.30385%	
Frac Sand (All Meshes) [CWT]	BHI	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	12.52267%	
SiberProp	BHI	Proppant	Quartz (SiO2)	14808-60-7	100.00%	2.52078%	
GBW-5	BHI	Breaker	Ammonium Persulfate	7727-54-0	100.00%	0.00396%	
Hydrochloric Acid, 10.1-15%	BHI	Acidizing	Hydrochloric Acid	7647-01-0	15.00%	0.24171%	
			Water	7732-18-5	85.00%	1.36966%	
Enzyme G-1	BHI	Breaker	Hemicellulase Enzyme Concentrate	9025-56-3	3.00%	0.00135%	
			Water	7732-18-5	97.00%	0.04381%	
Alpha 125	BHI	Biocide	Glutaraldehyde	111-30-8	30.00%	0.00898%	
ES-4A	BHI	Solvent	Petroleum Distillates Blend	CBI	100.00%	0.03669%	
GW-4LDF	BHI	Gellant	Petroleum Distillates Blend	Proprietary	70.00%	0.36076%	
			Guar Gum	9000-30-0	40.00%	0.20615%	
Clay Treat-3C	BHI	Clay Control	Tetramethyl Ammonium Chloride	75-57-0	60.00%	0.03148%	
BioSealers	BHI	Degradable Sealers	Gelatin	9000-70-8	100.00%	0.00175%	

			Glutaraldehyde	11-30-8	1.00%	0.00002%
Ferrotrol 280L	BHI	Iron Control	Thioglycol	60-24-2	100.00%	0.00594%
			Cupric Chloride Dihydrate	10125-13-0	100.00%	0.00594%
Scalesorb 3	BHI	Scale Inhibitor	Calcined Diatomaceous Earth	91053-39-3	100.00%	0.02083%
			Amino Tri (Methylene Phosphonic Acid)	6419-19-8	30.00%	0.00625%
			Phosphonic Acid	13598-36-2	1.00%	0.00021%
			Crystalline Silica Quartz	14808-60-7	1.00%	0.00021%
XLW-10A	BHI	Crosslinker	Ethylene Glycol	107-21-1	40.00%	0.05893%
			Sodium Hydroxide	1310-73-2	10.00%	0.01473%
			Sodium Tetraborate	1303-96-4	30.00%	0.04420%
Inflo 250W	BHI	Surfactant	Surfactants	CBI	80.00%	0.06546%
			2-Butoxyethanol	111-76-2	20.00%	0.01636%
			Methanol	67-56-1	30.00%	0.02455%
NE-900	BHI	Non-emulsifier	Methanol	67-56-1	30.00%	0.02618%
			Nonyl Phenyl Polyethylene Glycol Ether	9016-45-9	10.00%	0.00873%
CI-14	BHI	Corrosion Inhibitor	Methanol	67-56-1	100.00%	0.00302%
			Propargyl Alcohol	107-19-7	5.00%	0.00015%
			Polyoxyalkylenes	CBI	30.00%	0.00091%
			Fatty Acids	CBI	10.00%	0.00030%
			Olefin	CBI	5.00%	0.00015%
Activator Borden	BHI	Activator	Methanol	67-56-1	50.00%	0.01805%
			Alcohols, C12-14-Secondary, Ethoxylated	84133-50-6	70.00%	0.02527%

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	1/11/2011
State:	PA
County:	Clearfield
API Number:	37-033-26889
Operator Name:	EOG Resources, Inc.
Well Name and Number:	PHC 45H
Longitude:	-78.474669
Latitude:	41.149853
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	7,165
Total Water Volume (gal)*:	5,830,124

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Operator	Carrier	Water	7732-18-5	100.00%	85.45058%	
Frac Sand (All Meshes) [CWT]	BHI	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	13.28185%	
Hydrochloric Acid, 5.1-7.5%	BHI	Acidizing	Hydrochloric Acid	7647-01-0	7.50%	0.09188%	
			Water	7732-18-5	92.50%	1.13316%	
CI-14	BHI	Corrosion Inhibitor	Methanol	67-56-1	100.00%	0.00092%	
			Propargyl Alcohol	107-19-7	5.00%	0.00005%	
			Polyoxyalkylenes	CBI	30.00%	0.00028%	
			Fatty Acids	CBI	10.00%	0.00009%	
			Olefin	CBI	5.00%	0.00005%	
Ferrotrol 300L	BHI	Iron Control	Citric Acid	77-92-9	70.00%	0.00559%	
FRW-18	BHI	Friction Reducer	Hydrotreated Light Distillate	64742-47-8	30.00%	0.03555%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	1/29/2011
State:	CO
County:	LARIMER
API Number:	05-069-06420
Operator Name:	KERR-MCGEE OIL AND GAS ONSHORE LP
Well Name and Number:	ENCORE 4-12
Longitude:	-104.954906944444
Latitude:	40.4202161111111
Long/Eat Projection:	NAD83
Production Type:	Gas
True Vertical Depth (TVD):	7,870
Total Water Volume (gal)*:	154,685

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Frac-cide 1000	BJ Services	Bactericide	2,2-dibromo-3-nitropropionamide	010222-01-2	100.00%	0.02166%	
Sand (Proppant)	Superior	Propping Agent	Crystalline silica (Quartz)	14808-60-7	99.90%	7.71549%	
Resin Coated Sand	Superior	Propping Agent	Crystalline silica (Quartz)	14808-60-7	99.90%	0.28389%	
Super CS-2	Superior	Surfactant	Alcohols	Not Listed	100.00%	0.12838%	Proprietary Data
			Alkyl Alkoxyolate	Not Listed	100.00%	0.12838%	Proprietary Data
			Cyclohexanes	5989-27-5	100.00%	0.12838%	Proprietary Data
			Isopropanol	67-63-0	20.00%	0.02568%	
WFR-5W	Superior	Cationic Friction Reducer	Ethoxylated alcohol	Proprietary	5.00%	0.00255%	
			Hydrotreated paraffinic solvent	64742-47-8	30.00%	0.01529%	
Water	Anadarko	Base Carrier Fluid	Water	Not Listed	100.00%	91.54230%	

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	2/24/2011
State:	OKLAHOMA
County:	ELLIS
API Number:	3504522989
Operator Name:	CHESAPEAKE
Well Name and Number:	MANSKE 1-20H
Longitude:	-99.903771
Latitude:	36.276025
Long/Lat Projection:	NAD27
Production Type:	Gas
True Vertical Depth (TVD):	7,728
Total Water Volume (gal):	4,036,788

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by Mass)**	Maximum Ingredient Concentration in HF Fluid (% by Mass)**	Comments
Fresh Water		Carrier/Base Fluid				89.07711%	
Sand (Proppant)		Proppant				10.33560%	
Acid, Hydrochloric 15pct	SCHLUMBERGER TECHNOLOGY	Acid	Hydrogen Chloride	007647-01-0	15.00%	0.00536%	
J580	SCHLUMBERGER TECHNOLOGY	Gelling Agent	Carbohydrate polymer	N/A	100.00%	0.04381%	
L064	SCHLUMBERGER TECHNOLOGY	Clay Stabilizer	Tetramethyl Ammonium Chloride	000075-57-0	60.00%	0.10371%	
J218	SCHLUMBERGER TECHNOLOGY	Breaker	Ammonium Persulfate	007727-54-0	100.00%	0.02427%	
B315	SCHLUMBERGER TECHNOLOGY	Friction Reducer	Petroleum Distillate Hydrotreated Light	064742-47-8	30.00%	0.02348%	
			Aliphatic alcohol polyglycol ether	N/A	1.50%	0.00117%	
F110	SCHLUMBERGER TECHNOLOGY	Surfactant	Methanol	000067-56-1	40.00%	0.01620%	
			Ethoxylated alcohols	N/A	30.00%	0.01215%	
			Ethoxylated alcohols #2	N/A	30.00%	0.01215%	

B2	SCHLUMBERGER TECHNOLOGY	Bactericide	Glutaraldehyde	000111-30-8	25.00%	0.00816%	
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* Total Water Volume sources may include fresh water, produced water, and/or recycled water

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