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New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Originated 11/1/95

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APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

I. Operator: Amoco Production Company OGRID #: 000778
Address: P.O. Box 800, Denver, Colorado 80201
Contact Party: Patricia J. Archuleta Phone: (303) 830-5217

II. Name of Well: Kernaghan B #8 API #: 3004527351
Location of Well: Unit Letter N, 1140 Feet from the South line and 1700 Feet from the West line, Section 33, Township 31N, Range 8W, NMPM, San Juan County.

III. Date Workover Procedures Commenced: 11/7/97
Date Workover Procedures were Completed: 11/7/97

IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.

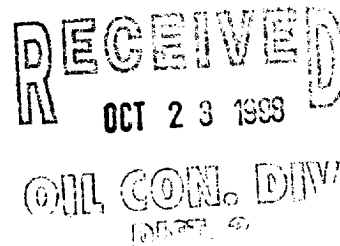
V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.

VI. Pool(s) on which Production Projection is based:

Fruitland Coal

VII. AFFIDAVIT:

State of Colorado)
) ss.
County of Denver)



Patricia J. Archuleta, being first duly sworn, upon oath states:

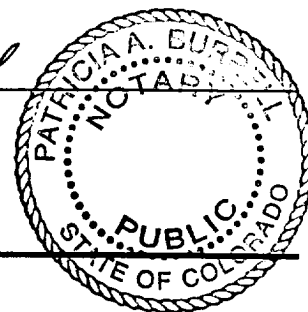
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Patricia J. Archuleta
(Name)

Staff Assistant
(Title)

SUBSCRIBED AND SWORN TO before me this 4th day of September, 1998

Patricia A Burrell
Notary Public



My Commission expires: 11-21-99

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 11/7, 1998.

SS. S
District Supervisor, District 3
Oil Conservation Division

Date: 11/12/98

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

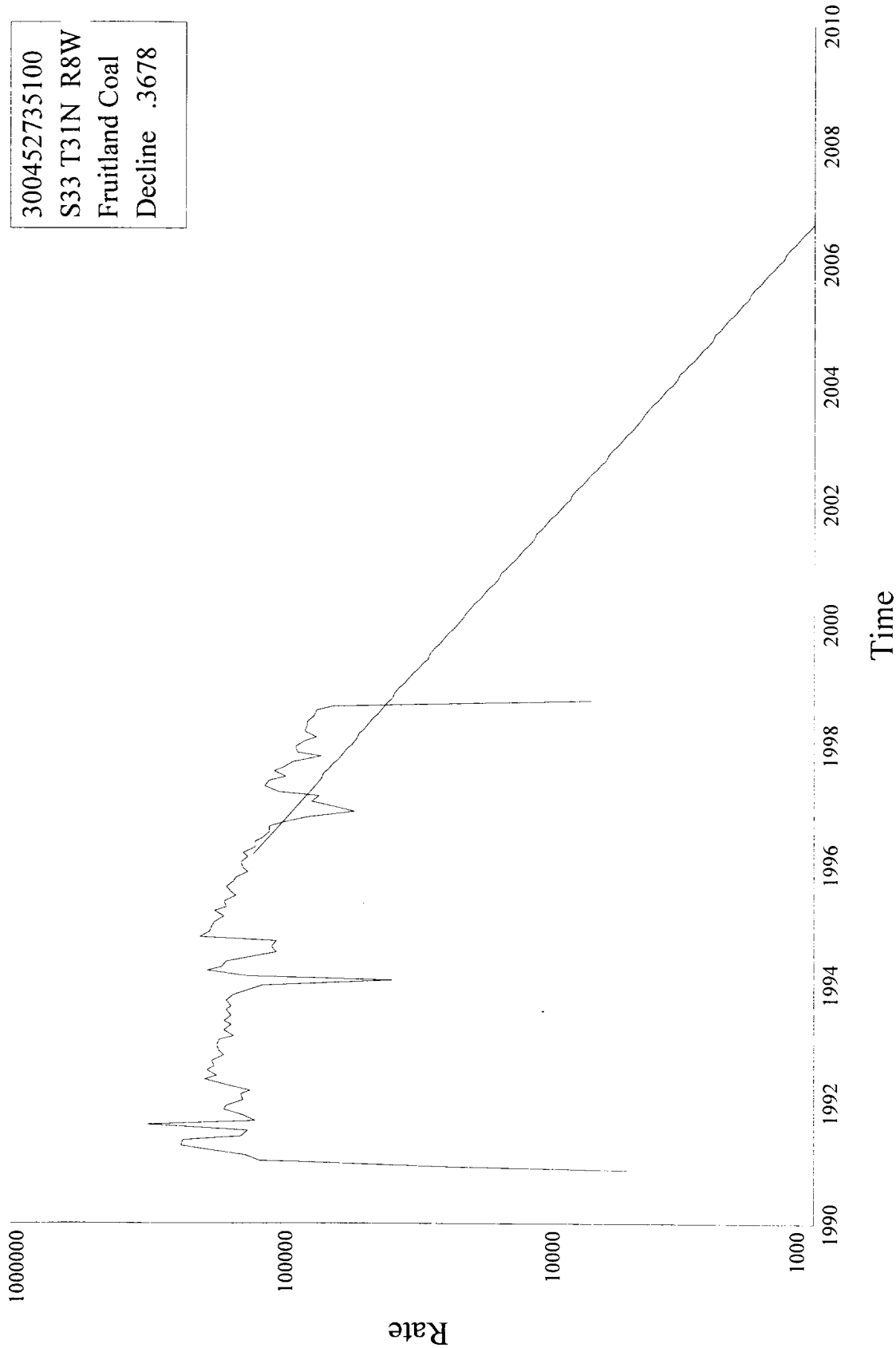
Amoco Production Company installed a wellhead compressor on this well to increase well production, at very low reservoir pressure.

Rate/Time Graph

Project: C:\Windows\Temp\rap\E1C1\RAP0001B.mdb

Lease Name: KERNAGHAN B#8
County, ST: SAN JUAN, NEW MEXICO

Operator: AMOCO PROD



WELL DECLINE TABLE TO SEND TO TULSA TAX GROUP		
WELLNAME	Kernaghan B	
WELLNO	#1	
POOL	Fruitland Coal	
FLAC	70304101	
API	3004527351	
LOCATION	N 33 31N 8w	
MONTH FINALED	11/97	
DECLINE RATE	0.3678	0.3678
Production Months - (Begin with the Month following the Month Finaled)	GAS	OIL
	' Prod. MCF/Month	' Prod. BBL/Month
12/1997	69189.0	0.0
01/1998	67100.5	0.0
02/1998	65075.1	0.0
03/1998	63110.8	0.0
04/1998	61205.8	0.0
05/1998	59358.3	0.0
06/1998	57566.6	0.0
07/1998	55828.9	0.0
08/1998	54143.7	0.0
09/1998	52509.4	0.0
10/1998	50924.4	0.0
11/1998	49387.2	0.0
12/1998	47896.5	0.0
01/1999	46450.7	0.0
02/1999	45048.6	0.0
03/1999	43688.8	0.0
04/1999	42370.1	0.0
05/1999	41091.1	0.0
06/1999	39850.8	0.0
07/1999	38647.9	0.0
08/1999	37481.3	0.0
09/1999	36349.9	0.0
10/1999	35252.7	0.0
11/1999	34188.6	0.0
12/1999	33156.6	0.0
01/2000	32155.8	0.0
02/2000	31185.1	0.0
03/2000	30243.8	0.0
04/2000	29330.9	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
05/2000	28445.6	0.0
06/2000	27586.9	0.0
07/2000	26754.2	0.0
08/2000	25946.6	0.0
09/2000	25163.4	0.0
10/2000	24403.9	0.0
11/2000	23667.2	0.0
12/2000	22952.8	0.0
01/2001	22260.0	0.0
02/2001	21588.1	0.0
03/2001	20936.5	0.0
04/2001	20304.5	0.0
05/2001	19691.6	0.0
06/2001	19097.2	0.0
07/2001	18520.8	0.0
08/2001	17961.7	0.0
09/2001	17419.5	0.0
10/2001	16893.7	0.0
11/2001	16383.8	0.0
12/2001	15889.2	0.0
01/2002	15409.6	0.0
02/2002	14944.5	0.0
03/2002	14493.4	0.0
04/2002	14055.9	0.0
05/2002	13631.6	0.0
06/2002	13220.1	0.0
07/2002	12821.1	0.0
08/2002	12434.1	0.0
09/2002	12058.8	0.0
10/2002	11694.8	0.0
11/2002	11341.8	0.0
12/2002	10999.4	0.0
01/2003	10667.4	0.0
02/2003	10345.4	0.0
03/2003	10033.1	0.0
04/2003	9730.3	0.0
05/2003	9436.6	0.0
06/2003	9151.7	0.0
07/2003	8875.5	0.0
08/2003	8607.6	0.0
09/2003	8347.7	0.0
10/2003	8095.8	0.0
11/2003	7851.4	0.0
12/2003	7614.4	0.0
01/2004	7384.6	0.0
02/2004	7161.7	0.0
03/2004	6945.5	0.0
04/2004	6735.8	0.0
05/2004	6532.5	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
06/2004	6335.3	0.0
07/2004	6144.1	0.0
08/2004	5958.6	0.0
09/2004	5778.8	0.0
10/2004	5604.3	0.0
11/2004	5435.2	0.0
12/2004	5271.1	0.0
01/2005	5112.0	0.0
02/2005	4957.7	0.0
03/2005	4808.1	0.0
04/2005	4662.9	0.0
05/2005	4522.2	0.0
06/2005	4385.7	0.0
07/2005	4253.3	0.0
08/2005	4124.9	0.0
09/2005	4000.4	0.0
10/2005	3879.6	0.0
11/2005	3762.5	0.0
12/2005	3649.0	0.0
01/2006	3538.8	0.0
02/2006	3432.0	0.0
03/2006	3328.4	0.0
04/2006	3227.9	0.0
05/2006	3130.5	0.0
06/2006	3036.0	0.0
07/2006	2944.4	0.0
08/2006	2855.5	0.0
09/2006	2769.3	0.0
10/2006	2685.7	0.0
11/2006	2604.6	0.0
12/2006	2526.0	0.0
01/2007	2449.8	0.0
02/2007	2375.8	0.0
03/2007	2304.1	0.0
04/2007	2234.6	0.0
05/2007	2167.1	0.0
06/2007	2101.7	0.0
07/2007	2038.3	0.0
08/2007	1976.7	0.0
09/2007	1917.1	0.0
10/2007	1859.2	0.0
11/2007	1803.1	0.0
12/2007	1748.6	0.0
01/2008	1695.9	0.0
02/2008	1644.7	0.0
03/2008	1595.0	0.0
04/2008	1546.9	0.0
05/2008	1500.2	0.0
06/2008	1454.9	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
07/2008	1411.0	0.0
08/2008	1368.4	0.0
09/2008	1327.1	0.0
10/2008	1287.0	0.0
11/2008	1248.2	0.0
12/2008	1210.5	0.0
01/2009	1174.0	0.0
02/2009	1138.5	0.0
03/2009	1104.2	0.0
04/2009	1070.8	0.0
05/2009	1038.5	0.0
06/2009	1007.2	0.0
07/2009	976.8	0.0
08/2009	947.3	0.0
09/2009	918.7	0.0
10/2009	891.0	0.0
11/2009	864.1	0.0
12/2009	838.0	0.0
01/2010	812.7	0.0
02/2010	788.2	0.0
03/2010	764.4	0.0
04/2010	741.3	0.0
05/2010	718.9	0.0
06/2010	697.2	0.0
07/2010	676.2	0.0
08/2010	655.8	0.0
09/2010	636.0	0.0
10/2010	616.8	0.0
11/2010	598.2	0.0
12/2010	580.1	0.0
01/2011	562.6	0.0
02/2011	545.6	0.0
03/2011	529.1	0.0
04/2011	513.2	0.0
05/2011	497.7	0.0
06/2011	482.7	0.0
07/2011	468.1	0.0
08/2011	454.0	0.0
09/2011	440.3	0.0
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11/2011	414.1	0.0
12/2011	401.6	0.0
01/2012	389.5	0.0
02/2012	377.7	0.0
03/2012	366.3	0.0
04/2012	355.2	0.0
05/2012	344.5	0.0
06/2012	334.1	0.0
07/2012	324.0	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
08/2012	314.3	0.0
09/2012	304.8	0.0
10/2012	295.6	0.0
11/2012	286.6	0.0
12/2012	278.0	0.0
01/2013	269.6	0.0
02/2013	261.5	0.0
03/2013	253.6	0.0
04/2013	245.9	0.0
05/2013	238.5	0.0
06/2013	231.3	0.0
07/2013	224.3	0.0
08/2013	217.5	0.0
09/2013	211.0	0.0
10/2013	204.6	0.0
11/2013	198.4	0.0
12/2013	192.4	0.0
01/2014	186.6	0.0
02/2014	181.0	0.0
03/2014	175.5	0.0
04/2014	170.2	0.0
05/2014	165.1	0.0
06/2014	160.1	0.0
07/2014	155.3	0.0
08/2014	150.6	0.0
09/2014	146.0	0.0
10/2014	141.6	0.0
11/2014	137.4	0.0
12/2014	133.2	0.0
01/2015	129.2	0.0
02/2015	125.3	0.0
03/2015	121.5	0.0
04/2015	117.8	0.0
05/2015	114.3	0.0
06/2015	110.8	0.0
07/2015	107.5	0.0
08/2015	104.3	0.0
09/2015	101.1	0.0
10/2015	98.1	0.0
11/2015	95.1	0.0
12/2015	92.2	0.0
01/2016	89.4	0.0
02/2016	86.7	0.0
03/2016	84.1	0.0
04/2016	81.6	0.0
05/2016	79.1	0.0
06/2016	76.7	0.0
07/2016	74.4	0.0
08/2016	72.2	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
09/2016	70.0	0.0
10/2016	67.9	0.0
11/2016	65.8	0.0
12/2016	63.8	0.0
01/2017	61.9	0.0
02/2017	60.0	0.0
03/2017	58.2	0.0
04/2017	56.5	0.0
05/2017	54.8	0.0
06/2017	53.1	0.0
07/2017	51.5	0.0
08/2017	50.0	0.0
09/2017	48.5	0.0
10/2017	47.0	0.0
11/2017	45.6	0.0
12/2017	44.2	0.0
01/2018	42.9	0.0
02/2018	41.6	0.0
03/2018	40.3	0.0
04/2018	39.1	0.0
05/2018	37.9	0.0
06/2018	36.8	0.0
07/2018	35.7	0.0
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03/2019	27.9	0.0
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09/2019	23.2	0.0
10/2019	22.5	0.0
11/2019	21.8	0.0
12/2019	21.2	0.0
01/2020	20.5	0.0
02/2020	19.9	0.0
03/2020	19.3	0.0
04/2020	18.7	0.0
05/2020	18.2	0.0
06/2020	17.6	0.0
07/2020	17.1	0.0
08/2020	16.6	0.0
09/2020	16.1	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
10/2020	15.6	0.0
11/2020	15.1	0.0
12/2020	14.7	0.0
01/2021	14.2	0.0
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06/2021	12.2	0.0
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03/2022	9.3	0.0
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07/2022	8.2	0.0
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11/2022	7.2	0.0
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01/2023	6.8	0.0
02/2023	6.6	0.0
03/2023	6.4	0.0
04/2023	6.2	0.0
05/2023	6.0	0.0
06/2023	5.8	0.0
07/2023	5.7	0.0
08/2023	5.5	0.0
09/2023	5.3	0.0
10/2023	5.2	0.0
11/2023	5.0	0.0
12/2023	4.9	0.0
01/2024	4.7	0.0
02/2024	4.6	0.0
03/2024	4.4	0.0
04/2024	4.3	0.0
05/2024	4.2	0.0
06/2024	4.0	0.0
07/2024	3.9	0.0
08/2024	3.8	0.0
09/2024	3.7	0.0
10/2024	3.6	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
11/2024	3.5	0.0
12/2024	3.4	0.0
01/2025	3.3	0.0
02/2025	3.2	0.0
03/2025	3.1	0.0
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10/2025	2.5	0.0
11/2025	2.4	0.0
12/2025	2.3	0.0
01/2026	2.3	0.0
02/2026	2.2	0.0
03/2026	2.1	0.0
04/2026	2.1	0.0
05/2026	2.0	0.0
06/2026	1.9	0.0
07/2026	1.9	0.0
08/2026	1.8	0.0
09/2026	1.8	0.0
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11/2026	1.7	0.0
12/2026	1.6	0.0
01/2027	1.6	0.0
02/2027	1.5	0.0
03/2027	1.5	0.0
04/2027	1.4	0.0
05/2027	1.4	0.0
06/2027	1.3	0.0
07/2027	1.3	0.0
08/2027	1.3	0.0
09/2027	1.2	0.0
10/2027	1.2	0.0
11/2027	1.2	0.0
12/2027	1.1	0.0
01/2028	1.1	0.0
02/2028	1.1	0.0
03/2028	1.0	0.0
04/2028	1.0	0.0
05/2028	1.0	0.0
06/2028	0.9	0.0
07/2028	0.9	0.0
08/2028	0.9	0.0
09/2028	0.8	0.0
10/2028	0.8	0.0
11/2028	0.8	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
12/2028	0.8	0.0
01/2029	0.7	0.0
02/2029	0.7	0.0
03/2029	0.7	0.0
04/2029	0.7	0.0
05/2029	0.7	0.0
06/2029	0.6	0.0
07/2029	0.6	0.0
08/2029	0.6	0.0
09/2029	0.6	0.0
10/2029	0.6	0.0
11/2029	0.6	0.0
12/2029	0.5	0.0
01/2030	0.5	0.0
02/2030	0.5	0.0
03/2030	0.5	0.0
04/2030	0.5	0.0
05/2030	0.5	0.0
06/2030	0.4	0.0
07/2030	0.4	0.0
08/2030	0.4	0.0
09/2030	0.4	0.0
10/2030	0.4	0.0
11/2030	0.4	0.0
12/2030	0.4	0.0
01/2031	0.4	0.0
02/2031	0.3	0.0
03/2031	0.3	0.0
04/2031	0.3	0.0
05/2031	0.3	0.0
06/2031	0.3	0.0
07/2031	0.3	0.0
08/2031	0.3	0.0
09/2031	0.3	0.0
10/2031	0.3	0.0
11/2031	0.3	0.0
12/2031	0.3	0.0
01/2032	0.2	0.0
02/2032	0.2	0.0
03/2032	0.2	0.0
04/2032	0.2	0.0
05/2032	0.2	0.0
06/2032	0.2	0.0
07/2032	0.2	0.0
08/2032	0.2	0.0
09/2032	0.2	0.0
10/2032	0.2	0.0
11/2032	0.2	0.0
12/2032	0.2	0.0

WELLNAME	Kernaghan B	
WELLNO	#1	
01/2033	0.2	0.0
02/2033	0.2	0.0
03/2033	0.2	0.0
04/2033	0.2	0.0
05/2033	0.2	0.0
06/2033	0.1	0.0
07/2033	0.1	0.0
08/2033	0.1	0.0
09/2033	0.1	0.0
10/2033	0.1	0.0
11/2033	0.1	0.0
12/2033	0.1	0.0
01/2034	0.1	0.0
02/2034	0.1	0.0
03/2034	0.1	0.0
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05/2034	0.1	0.0
06/2034	0.1	0.0
07/2034	0.1	0.0
08/2034	0.1	0.0
09/2034	0.1	0.0
10/2034	0.1	0.0
11/2034	0.1	0.0
12/2034	0.1	0.0
01/2035	0.1	0.0
02/2035	0.1	0.0
03/2035	0.1	0.0
04/2035	0.1	0.0
05/2035	0.1	0.0
06/2035	0.1	0.0
07/2035	0.1	0.0
08/2035	0.1	0.0
09/2035	0.1	0.0
10/2035	0.1	0.0
11/2035	0.1	0.0
12/2035	0.1	0.0
01/2036	0.1	0.0
02/2036	0.1	0.0
03/2036	0.1	0.0
04/2036	0.1	0.0
05/2036	0.1	0.0
06/2036	0.0	0.0