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Hobbs, NM 88241-1980
District II - (505) 748-1283
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Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV

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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OIL CON. DIV.
DIST. 3
Original
Plus 2 Copies
to appropriate
District Office

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: Barnes B #21 API #: 3004527743
Location of Well: Unit Letter M, 1250 Feet from the South line and 800 Feet from the West line, Section 13, Township 32N, Range 11W, NMPM, San Juan County.
- III. Date Workover Procedures Commenced: 1/22/98
Date Workover Procedures were Completed: 1/22/98
- IV. Attach a description of the Workover Procedures undertaken to increase the production 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:

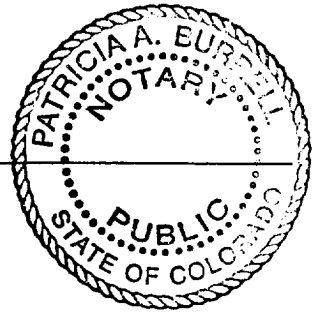
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my 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 29th day of December, 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

1/22, 1998.

[Signature]
District Supervisor, District 2
Oil Conservation Division

Date: 1/15/99

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

DATE: _____

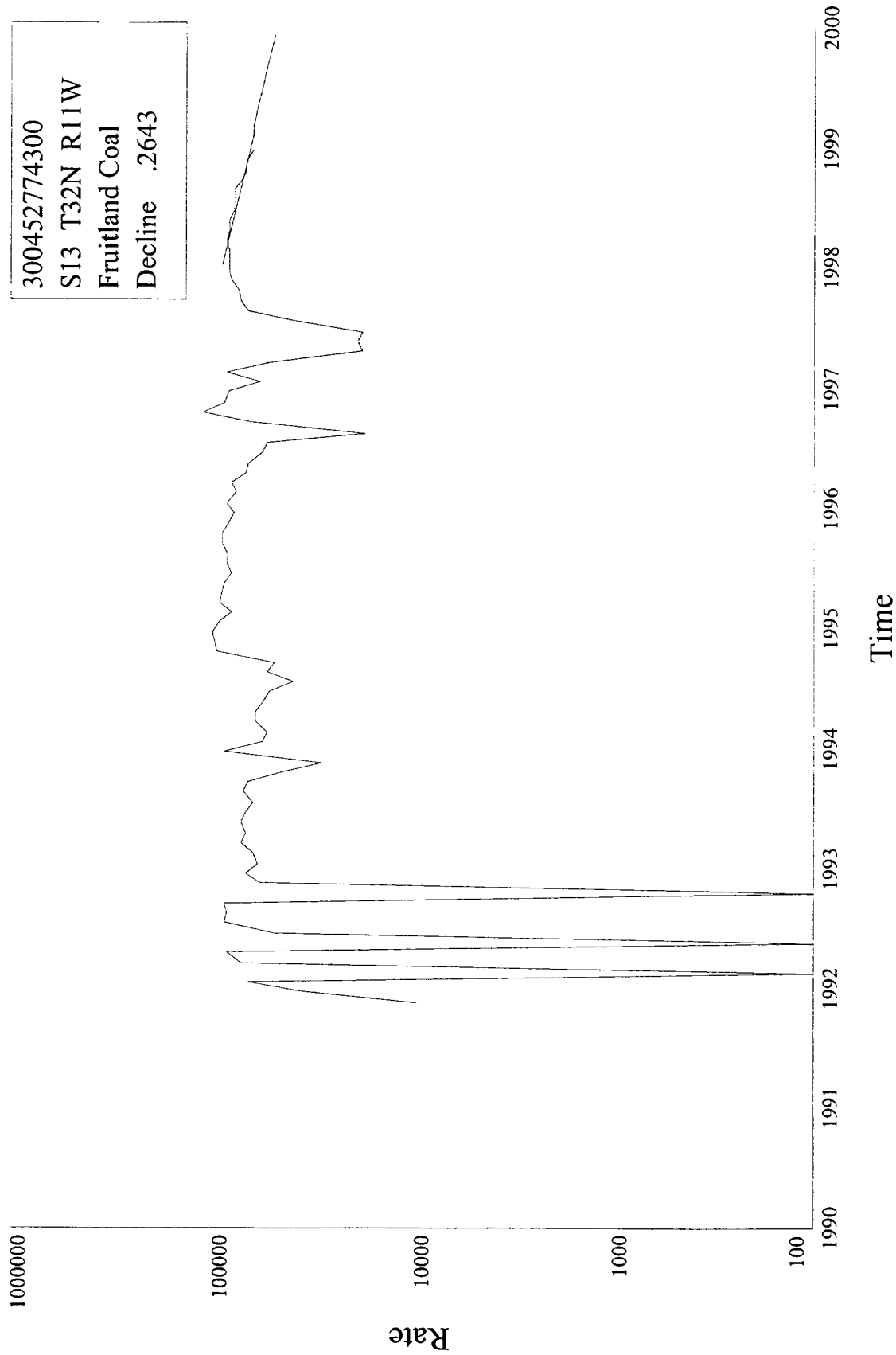
Amoco Production Company installed a wellhead compressor on this well to increase well production, at very low reservoir pressure.

Rate/Time Graph

Project: C:\Windows\Temp\rap52F5\RAP000009.mdb

Lease Name: BARNES B#21
County, ST: SAN JUAN, NEW MEXICO

300452774300
S13 T32N R11W
Fruitland Coal
Decline .2643



WELL DECLINE TABLE TO SEND TO TULSA TAX GROUP		
WELLNAME	Barnes B	
WELLNO	#21	
POOL	Fruitland Coal	
FLAC	70427401	
API	3004527743	
LOCATION	M 13 32N 11W	
MONTH FINALED	1/98	
DECLINE RATE	0.2643	0.2643
Production Months - (Begin with the Month following the Month Finaled)	GAS	OIL
	' Prod. MCF/Month	' Prod. BBL/Month
02/1998	82998.0	0.0
03/1998	81190.0	0.0
04/1998	79421.3	0.0
05/1998	77691.2	0.0
06/1998	75998.7	0.0
07/1998	74343.1	0.0
08/1998	72723.6	0.0
09/1998	71139.4	0.0
10/1998	69589.7	0.0
11/1998	68073.7	0.0
12/1998	66590.8	0.0
01/1999	65140.2	0.0
02/1999	63721.1	0.0
03/1999	62333.0	0.0
04/1999	60975.2	0.0
05/1999	59646.9	0.0
06/1999	58347.5	0.0
07/1999	57076.4	0.0
08/1999	55833.1	0.0
09/1999	54616.8	0.0
10/1999	53427.0	0.0
11/1999	52263.1	0.0
12/1999	51124.6	0.0
01/2000	50010.9	0.0
02/2000	48921.5	0.0
03/2000	47855.8	0.0
04/2000	46813.3	0.0
05/2000	45793.5	0.0
06/2000	44795.9	0.0

WELLNAME	Barnes B	
WELLNO	#21	
07/2000	43820.1	0.0
08/2000	42865.5	0.0
09/2000	41931.7	0.0
10/2000	41018.2	0.0
11/2000	40124.7	0.0
12/2000	39250.6	0.0
01/2001	38395.5	0.0
02/2001	37559.1	0.0
03/2001	36740.9	0.0
04/2001	35940.6	0.0
05/2001	35157.6	0.0
06/2001	34391.7	0.0
07/2001	33642.5	0.0
08/2001	32909.7	0.0
09/2001	32192.8	0.0
10/2001	31491.5	0.0
11/2001	30805.4	0.0
12/2001	30134.4	0.0
01/2002	29477.9	0.0
02/2002	28835.8	0.0
03/2002	28207.6	0.0
04/2002	27593.1	0.0
05/2002	26992.0	0.0
06/2002	26404.0	0.0
07/2002	25828.8	0.0
08/2002	25266.2	0.0
09/2002	24715.8	0.0
10/2002	24177.4	0.0
11/2002	23650.7	0.0
12/2002	23135.5	0.0
01/2003	22631.5	0.0
02/2003	22138.5	0.0
03/2003	21656.2	0.0
04/2003	21184.4	0.0
05/2003	20722.9	0.0
06/2003	20271.5	0.0
07/2003	19829.9	0.0
08/2003	19397.9	0.0
09/2003	18975.4	0.0
10/2003	18562.0	0.0
11/2003	18157.6	0.0
12/2003	17762.1	0.0
01/2004	17375.2	0.0
02/2004	16996.7	0.0
03/2004	16626.4	0.0
04/2004	16264.2	0.0
05/2004	15909.9	0.0
06/2004	15563.3	0.0
07/2004	15224.3	0.0

WELLNAME	Barnes B		
WELLNO	#21		
08/2004	14892.6	0.0	
09/2004	14568.2	0.0	
10/2004	14250.8	0.0	
11/2004	13940.4	0.0	
12/2004	13636.7	0.0	
01/2005	13339.7	0.0	
02/2005	13049.1	0.0	
03/2005	12764.8	0.0	
04/2005	12486.7	0.0	
05/2005	12214.7	0.0	
06/2005	11948.6	0.0	
07/2005	11688.3	0.0	
08/2005	11433.7	0.0	
09/2005	11184.6	0.0	
10/2005	10941.0	0.0	
11/2005	10702.7	0.0	
12/2005	10469.5	0.0	
01/2006	10241.4	0.0	
02/2006	10018.3	0.0	
03/2006	9800.1	0.0	
04/2006	9586.6	0.0	
05/2006	9377.8	0.0	
06/2006	9173.5	0.0	
07/2006	8973.6	0.0	
08/2006	8778.2	0.0	
09/2006	8586.9	0.0	
10/2006	8399.9	0.0	
11/2006	8216.9	0.0	
12/2006	8037.9	0.0	
01/2007	7862.8	0.0	
02/2007	7691.5	0.0	
03/2007	7524.0	0.0	
04/2007	7360.0	0.0	
05/2007	7199.7	0.0	
06/2007	7042.9	0.0	
07/2007	6889.5	0.0	
08/2007	6739.4	0.0	
09/2007	6592.6	0.0	
10/2007	6448.9	0.0	
11/2007	6308.5	0.0	
12/2007	6171.0	0.0	
01/2008	6036.6	0.0	
02/2008	5905.1	0.0	
03/2008	5776.5	0.0	
04/2008	5650.6	0.0	
05/2008	5527.5	0.0	
06/2008	5407.1	0.0	
07/2008	5289.3	0.0	
08/2008	5174.1	0.0	

WELLNAME	Barnes B		
WELLNO	#21		
09/2008	5061.4	0.0	
10/2008	4951.1	0.0	
11/2008	4843.3	0.0	
12/2008	4737.8	0.0	
01/2009	4634.6	0.0	
02/2009	4533.6	0.0	
03/2009	4434.8	0.0	
04/2009	4338.2	0.0	
05/2009	4243.7	0.0	
06/2009	4151.3	0.0	
07/2009	4060.8	0.0	
08/2009	3972.4	0.0	
09/2009	3885.8	0.0	
10/2009	3801.2	0.0	
11/2009	3718.4	0.0	
12/2009	3637.4	0.0	
01/2010	3558.2	0.0	
02/2010	3480.6	0.0	
03/2010	3404.8	0.0	
04/2010	3330.6	0.0	
05/2010	3258.1	0.0	
06/2010	3187.1	0.0	
07/2010	3117.7	0.0	
08/2010	3049.8	0.0	
09/2010	2983.3	0.0	
10/2010	2918.3	0.0	
11/2010	2854.8	0.0	
12/2010	2792.6	0.0	
01/2011	2731.7	0.0	
02/2011	2672.2	0.0	
03/2011	2614.0	0.0	
04/2011	2557.1	0.0	
05/2011	2501.4	0.0	
06/2011	2446.9	0.0	
07/2011	2393.6	0.0	
08/2011	2341.4	0.0	
09/2011	2290.4	0.0	
10/2011	2240.5	0.0	
11/2011	2191.7	0.0	
12/2011	2144.0	0.0	
01/2012	2097.3	0.0	
02/2012	2051.6	0.0	
03/2012	2006.9	0.0	
04/2012	1963.2	0.0	
05/2012	1920.4	0.0	
06/2012	1878.6	0.0	
07/2012	1837.7	0.0	
08/2012	1797.6	0.0	
09/2012	1758.5	0.0	

WELLNAME	Barnes B	
WELLNO	#21	
10/2012	1720.2	0.0
11/2012	1682.7	0.0
12/2012	1646.0	0.0
01/2013	1610.2	0.0
02/2013	1575.1	0.0
03/2013	1540.8	0.0
04/2013	1507.2	0.0
05/2013	1474.4	0.0
06/2013	1442.3	0.0
07/2013	1410.8	0.0
08/2013	1380.1	0.0
09/2013	1350.0	0.0
10/2013	1320.6	0.0
11/2013	1291.9	0.0
12/2013	1263.7	0.0
01/2014	1236.2	0.0
02/2014	1209.3	0.0
03/2014	1182.9	0.0
04/2014	1157.2	0.0
05/2014	1131.9	0.0
06/2014	1107.3	0.0
07/2014	1083.2	0.0
08/2014	1059.6	0.0
09/2014	1036.5	0.0
10/2014	1013.9	0.0
11/2014	991.8	0.0
12/2014	970.2	0.0
01/2015	949.1	0.0
02/2015	928.4	0.0
03/2015	908.2	0.0
04/2015	888.4	0.0
05/2015	869.0	0.0
06/2015	850.1	0.0
07/2015	831.6	0.0
08/2015	813.5	0.0
09/2015	795.8	0.0
10/2015	778.4	0.0
11/2015	761.5	0.0
12/2015	744.9	0.0
01/2016	728.7	0.0
02/2016	712.8	0.0
03/2016	697.3	0.0
04/2016	682.1	0.0
05/2016	667.2	0.0
06/2016	652.7	0.0
07/2016	638.5	0.0
08/2016	624.5	0.0
09/2016	610.9	0.0
10/2016	597.6	0.0

WELLNAME	Barnes B		
WELLNO	#21		
11/2016	584.6	0.0	
12/2016	571.9	0.0	
01/2017	559.4	0.0	
02/2017	547.2	0.0	
03/2017	535.3	0.0	
04/2017	523.6	0.0	
05/2017	512.2	0.0	
06/2017	501.1	0.0	
07/2017	490.2	0.0	
08/2017	479.5	0.0	
09/2017	469.0	0.0	
10/2017	458.8	0.0	
11/2017	448.8	0.0	
12/2017	439.1	0.0	
01/2018	429.5	0.0	
02/2018	420.1	0.0	
03/2018	411.0	0.0	
04/2018	402.0	0.0	
05/2018	393.3	0.0	
06/2018	384.7	0.0	
07/2018	376.3	0.0	
08/2018	368.1	0.0	
09/2018	360.1	0.0	
10/2018	352.3	0.0	
11/2018	344.6	0.0	
12/2018	337.1	0.0	
01/2019	329.7	0.0	
02/2019	322.6	0.0	
03/2019	315.5	0.0	
04/2019	308.7	0.0	
05/2019	301.9	0.0	
06/2019	295.4	0.0	
07/2019	288.9	0.0	
08/2019	282.6	0.0	
09/2019	276.5	0.0	
10/2019	270.4	0.0	
11/2019	264.6	0.0	
12/2019	258.8	0.0	
01/2020	253.2	0.0	
02/2020	247.6	0.0	
03/2020	242.2	0.0	
04/2020	237.0	0.0	
05/2020	231.8	0.0	
06/2020	226.8	0.0	
07/2020	221.8	0.0	
08/2020	217.0	0.0	
09/2020	212.3	0.0	
10/2020	207.6	0.0	
11/2020	203.1	0.0	

WELLNAME	Barnes B	
WELLNO	#21	
12/2020	198.7	0.0
01/2021	194.4	0.0
02/2021	190.1	0.0
03/2021	186.0	0.0
04/2021	181.9	0.0
05/2021	178.0	0.0
06/2021	174.1	0.0
07/2021	170.3	0.0
08/2021	166.6	0.0
09/2021	163.0	0.0
10/2021	159.4	0.0
11/2021	155.9	0.0
12/2021	152.5	0.0
01/2022	149.2	0.0
02/2022	146.0	0.0
03/2022	142.8	0.0
04/2022	139.7	0.0
05/2022	136.6	0.0
06/2022	133.7	0.0
07/2022	130.7	0.0
08/2022	127.9	0.0
09/2022	125.1	0.0
10/2022	122.4	0.0
11/2022	119.7	0.0
12/2022	117.1	0.0
01/2023	114.6	0.0
02/2023	112.1	0.0
03/2023	109.6	0.0
04/2023	107.2	0.0
05/2023	104.9	0.0
06/2023	102.6	0.0
07/2023	100.4	0.0
08/2023	98.2	0.0
09/2023	96.1	0.0
10/2023	94.0	0.0
11/2023	91.9	0.0
12/2023	89.9	0.0
01/2024	88.0	0.0
02/2024	86.0	0.0
03/2024	84.2	0.0
04/2024	82.3	0.0
05/2024	80.5	0.0
06/2024	78.8	0.0
07/2024	77.1	0.0
08/2024	75.4	0.0
09/2024	73.7	0.0
10/2024	72.1	0.0
11/2024	70.6	0.0
12/2024	69.0	0.0

WELLNAME	Barnes B	
WELLNO	#21	
01/2025	67.5	0.0
02/2025	66.1	0.0
03/2025	64.6	0.0
04/2025	63.2	0.0
05/2025	61.8	0.0
06/2025	60.5	0.0
07/2025	59.2	0.0
08/2025	57.9	0.0
09/2025	56.6	0.0
10/2025	55.4	0.0
11/2025	54.2	0.0
12/2025	53.0	0.0
01/2026	51.8	0.0
02/2026	50.7	0.0
03/2026	49.6	0.0
04/2026	48.5	0.0
05/2026	47.5	0.0
06/2026	46.4	0.0
07/2026	45.4	0.0
08/2026	44.4	0.0
09/2026	43.5	0.0
10/2026	42.5	0.0
11/2026	41.6	0.0
12/2026	40.7	0.0
01/2027	39.8	0.0
02/2027	38.9	0.0
03/2027	38.1	0.0
04/2027	37.3	0.0
05/2027	36.4	0.0
06/2027	35.7	0.0
07/2027	34.9	0.0
08/2027	34.1	0.0
09/2027	33.4	0.0
10/2027	32.6	0.0
11/2027	31.9	0.0
12/2027	31.2	0.0
01/2028	30.6	0.0
02/2028	29.9	0.0
03/2028	29.2	0.0
04/2028	28.6	0.0
05/2028	28.0	0.0
06/2028	27.4	0.0
07/2028	26.8	0.0
08/2028	26.2	0.0
09/2028	25.6	0.0
10/2028	25.1	0.0
11/2028	24.5	0.0
12/2028	24.0	0.0
01/2029	23.5	0.0

WELLNAME	Barnes B	
WELLNO	#21	
02/2029	22.9	0.0
03/2029	22.4	0.0
04/2029	22.0	0.0
05/2029	21.5	0.0
06/2029	21.0	0.0
07/2029	20.6	0.0
08/2029	20.1	0.0
09/2029	19.7	0.0
10/2029	19.2	0.0
11/2029	18.8	0.0
12/2029	18.4	0.0
01/2030	18.0	0.0
02/2030	17.6	0.0
03/2030	17.2	0.0
04/2030	16.9	0.0
05/2030	16.5	0.0
06/2030	16.1	0.0
07/2030	15.8	0.0
08/2030	15.4	0.0
09/2030	15.1	0.0
10/2030	14.8	0.0
11/2030	14.5	0.0
12/2030	14.1	0.0
01/2031	13.8	0.0
02/2031	13.5	0.0
03/2031	13.2	0.0
04/2031	12.9	0.0
05/2031	12.7	0.0
06/2031	12.4	0.0
07/2031	12.1	0.0
08/2031	11.9	0.0
09/2031	11.6	0.0
10/2031	11.3	0.0
11/2031	11.1	0.0
12/2031	10.9	0.0
01/2032	10.6	0.0
02/2032	10.4	0.0
03/2032	10.2	0.0
04/2032	9.9	0.0
05/2032	9.7	0.0
06/2032	9.5	0.0
07/2032	9.3	0.0
08/2032	9.1	0.0
09/2032	8.9	0.0
10/2032	8.7	0.0
11/2032	8.5	0.0
12/2032	8.3	0.0
01/2033	8.2	0.0
02/2033	8.0	0.0

WELLNAME	Barnes B		
WELLNO	#21		
03/2033	7.8	0.0	
04/2033	7.6	0.0	
05/2033	7.5	0.0	
06/2033	7.3	0.0	
07/2033	7.1	0.0	
08/2033	7.0	0.0	
09/2033	6.8	0.0	
10/2033	6.7	0.0	
11/2033	6.5	0.0	
12/2033	6.4	0.0	
01/2034	6.3	0.0	
02/2034	6.1	0.0	
03/2034	6.0	0.0	
04/2034	5.9	0.0	
05/2034	5.7	0.0	
06/2034	5.6	0.0	
07/2034	5.5	0.0	
08/2034	5.4	0.0	
09/2034	5.2	0.0	
10/2034	5.1	0.0	
11/2034	5.0	0.0	
12/2034	4.9	0.0	
01/2035	4.8	0.0	
02/2035	4.7	0.0	
03/2035	4.6	0.0	
04/2035	4.5	0.0	
05/2035	4.4	0.0	
06/2035	4.3	0.0	
07/2035	4.2	0.0	
08/2035	4.1	0.0	
09/2035	4.0	0.0	
10/2035	3.9	0.0	
11/2035	3.9	0.0	
12/2035	3.8	0.0	
01/2036	3.7	0.0	
02/2036	3.6	0.0	
03/2036	3.5	0.0	
04/2036	3.5	0.0	
05/2036	3.4	0.0	
06/2036	3.3	0.0	
07/2036	3.2	0.0	
08/2036	3.2	0.0	
09/2036	3.1	0.0	
10/2036	3.0	0.0	
11/2036	3.0	0.0	
12/2036	2.9	0.0	
01/2037	2.8	0.0	
02/2037	2.8	0.0	
03/2037	2.7	0.0	

WELLNAME	Barnes B	
WELLNO	#21	
04/2037	2.7	0.0
05/2037	2.6	0.0
06/2037	2.5	0.0
07/2037	2.5	0.0
08/2037	2.4	0.0
09/2037	2.4	0.0
10/2037	2.3	0.0
11/2037	2.3	0.0
12/2037	2.2	0.0
01/2038	2.2	0.0
02/2038	2.1	0.0
03/2038	2.1	0.0
04/2038	2.0	0.0
05/2038	2.0	0.0
06/2038	1.9	0.0
07/2038	1.9	0.0
08/2038	1.9	0.0
09/2038	1.8	0.0
10/2038	1.8	0.0
11/2038	1.7	0.0
12/2038	1.7	0.0
01/2039	1.7	0.0
02/2039	1.6	0.0
03/2039	1.6	0.0
04/2039	1.6	0.0
05/2039	1.5	0.0
06/2039	1.5	0.0
07/2039	1.5	0.0
08/2039	1.4	0.0
09/2039	1.4	0.0
10/2039	1.4	0.0
11/2039	1.3	0.0
12/2039	1.3	0.0
01/2040	1.3	0.0
02/2040	1.3	0.0
03/2040	1.2	0.0
04/2040	1.2	0.0
05/2040	1.2	0.0
06/2040	1.1	0.0
07/2040	1.1	0.0
08/2040	1.1	0.0
09/2040	1.1	0.0
10/2040	1.1	0.0
11/2040	1.0	0.0
12/2040	1.0	0.0
01/2041	1.0	0.0
02/2041	1.0	0.0