Team Exxon

November 3rd, 2021

Dr. Paul M. Bommer, Ph.D.
Distinguished Senior Lecturer
Department of Petroleum and
Geosystems Engineering
The University of Texas at Austin
2601 Speedway
Austin, TX 78712

Re: Gates7H, Blakeway, Martin, and Gates3H Wells Reserve Report.

Dear Dr. Bommer:

We have prepared an estimate of PDP (Provided developed producing) oil and gas reserves for Gates7H, Blakeway, Martin, and Gates3H wells in Dimmit, Texas. Our study is effective as of November 1, 2021:

Lease	Oil	Gas	Net Rev	Net Rev Disc 15%/yr
	MBbls	MMscf	M\$	M\$
Gates7H	0	135	461.18	392.05
Blakeway	7.59	14.42	469.60	389.06
Martin	5.33	63.39	489.75	401.49
Gates3H	16.07	219.94	1884.61	1687.00
Total	28.99	432.74	3305.15	2869.60

We can speculate that the oil will be recovered in 5 years. The estimates show the amount of oil to be recovered in thousands of barrels and millions of standard cubic feet for gas. The net revenue estimates on the summary are shown in thousands of U.S. dollars. The economic summary projection is shown in Table 1. The details of our economic projects for each of the leases are shown in Appendix A. The team members responsible for each part of the evaluation are listed in Appendix B.

Date: 11/05/2021 7:18:23PM

ECONOMIC SUMMARY PROJECTION

Discount Rate: 15.00 As of: 11/01/2021

Est Cum Oil (Mbbl) : Est Cum Gas (MMcf) : Est Cum Water (Mbbl) :

Year	Oil Gross (Mbbl)	Gas Gross (MMcf)	Oil Net (Mbbl)	Gas Net (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/M cf)	Oil & Gas Rev. Net (M\$)	Misc. Rev. Net (MS)	Costs Net (M\$)	Taxes Net (M\$)	Invest. Net (MS)	NonDisc. CF Annual (MS)	Cum Disc. CF (M \$)
2021	2.95	63.27	2.22	47.46	81.17	5.62	446.73	0.00	51.88	39.51	0.00	355.34	351.20
2022	15.51	339.37	11.63	254.53	80.23	5.39	2,303.89	0.00	281.90	203.60	0.00	1,818.39	2,016.40
2023	12.62	80.69	9.46	60.52	74.04	3.95	939.80	0.00	166.27	73.78	0.00	699.75	2,573.64
2024	7.21	63.73	5.41	47.80	68.80	3.12	520.91	0.00	105.90	41.38	0.00	373.62	2,834.64
2025	0.35	22.44	0.26	16.83	66.96	2.87	65.94	0.00	13.22	6.10	0.00	46.62	2,863.46
2026	0.00	7.49	0.00	5.62	0.00	2.89	16.23	0.00	3.18	1.63	0.00	11.43	2,869.60

Rem.		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
[otal	4.7	38.64	576.99	28.98	432.74	76.03	4.83	4,293.49	0.00	622.35	365.99	0.00	3,305.15	2,869.60
Ult.		890.49	6,886.06											
						E co. I1	id icators							
					Return or	Investme	ent (disc) :	0.000	Pres	ent Worth I	Profile (M\$)			
					Return on Is	ives tme ni	(undisc):	0.000	PW	5.00%:	3,141.31	$\mathbf{p}\mathbf{w}$	20.00%:	2,755.72
						Years t	o Payout :	0.00	PW	8.00% :	3.052.73	$\mathbf{p}\mathbf{w}$	30.00%:	2,561.22
					Internal I	Cate of Re	turn (%) :	0.00	PW	10.00% :	2,997.24	PW	40.00% :	2,401.16
									PW	12.00% :	2,944.38	PW	50.00% :	2,267.07
									PW	15.00% :	2,869.60	PW	60.00% :	2,153.00

TRC Standard Eco.rpt

Table 1 Summary Economics for all leases.

Reserve Estimates

The amounts of oil and gas that we estimate that can be recovered from existing completions under specific economic scenarios are known as proved developed producing (PDP) reserves. Extrapolating the producing trends and a statistical examination of area wells were used to calculate reserve estimates.

We estimate that these reserves will be obtained in approximately six years. The units given in the report for oil and gas are thousands of barrels (Mbbl) and millions of standard cubic feet of gas (MMscf). The declining pattern established by leases has been used to estimate future oil and gas reserves. The net revenue estimates are given in thousands of dollars (M\$).

Based on all of the decline curves, they start around the same time of mid 2010's and go into the 2020s. Around the 2012-2013 years, all wells experienced a skyrocket in gas production, most likely from the shale boom back in the early 2010s. We then see a steady, exponential decline up until late 2019/early 2020 where there is a slight upshot of oil and gas production only to go back down in mid-2020 around the time of COVID-19. Finally, we see in early 2021 production starts to pick up again but then starts to go down at a sharp, linear rate as 2021 closes. The details of our economic summaries for each of the leases are shown in Appendix A.

Total

Reserve Probability

Along with our 4 leases, we also included 6 other wells that are nearby into the reserve probability report. Figures 2 and 3 below show the reserve cumulative probability for oil and gas. The lack of data to compare the four wells to could increase the uncertainty of the plot, however the majority of points are close which increases the legitimacy. According to figure 1, the mean ultimate oil recovery amongst the wells falls within 48% of recovering our estimated reserve or more. Looking at figure 2, our mean ultimate gas recovery falls within 49% of recovering our estimated reserve or more.

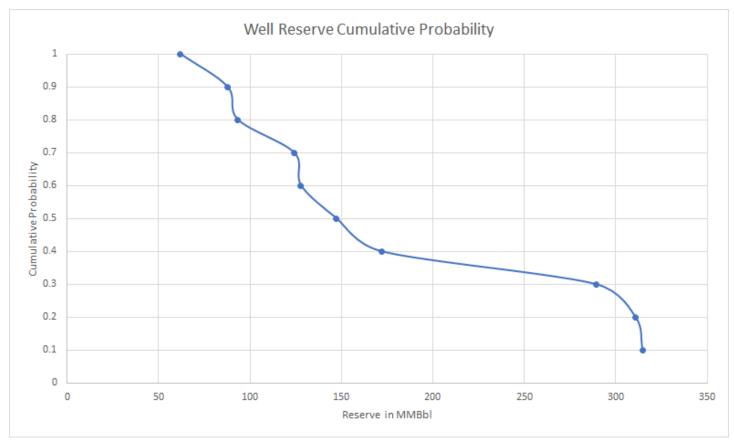


Figure 2: Well reserve cumulative probability curve for oil

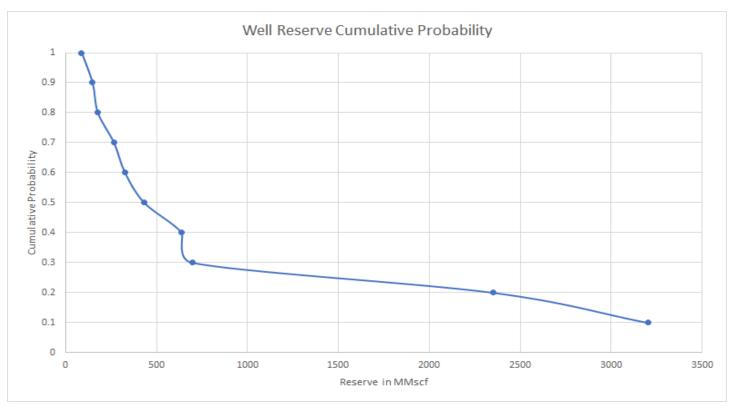


Figure 3: Well reserve cumulative probability for gas

Oil and Gas Prices, Operations, Costs, and Inflation

The oil and gas prices in this report are the current New York Mercantile Exchange future prices for the oil and gas sold at the Henry Hub. The prices are shown in the table below. It is important to note that these prices were averaged to yearly prices of oil and gas (CME Group, 2021).

prices or on and Bas (or	.E G.Oup, 2021/.		
Year	WTI	Henry Hub	
	\$/STBO	\$/MScf	
2021	81.17	5.623	
2022	74.97	4.088	
2023	68.97	3.162	
2024	66.96	2.867	
2025	61.93	2.89	
2026	60.25	2.88	
2027	58.75	2.868	
2028	58.55	2.983	
2029	58.63	2.971	

Table 2: CME Group Crude oil future quotes/ CME Group Henry Hub Natural Gas

Table 2 represents a 2% per year decline rate in the oil price over the next 10 years. The gas decline rate is about .3% per year. The operating costs are expected to inflate about 4.43%/yr for gas, while the inflation rate for oil is expected to be 4.63%. (Official Data Foundation, 2013)

HENRY HUB NATURAL GAS FUTURES - QUOTES VENUE: GLOBEX AUTO-REFRESH IS OFF Last Updated 05 Nov 2021 08:48:31 PM CT. Market data is delayed by at least 10 minutes. DEC 2021 OPT 5.623 -0.093 (-1.63%) 5.716 5.670 5.760 5.501 122.611 OPT 5.730 -0.096 (-1.65%) 5.826 5.779 5.866 5.609 47,658 FEB 2022 NGG2 16:38:27 CT 05 Nov 2021 OPT -0.086 (-1.51%) MAR 2022 NGH2 16:37:28 CT 05 Nov 2021 OPT 5.280 -0.069 (-1.29%) 5.349 5.306 5.370 5.143 30,431 APR 2022 16:37:38 CT 05 Nov 2021 4.140 +0.003 (+0.07%) 4.137 4.126 4.158 4.078 30.501 MAY 2022 OPT 4.022 +0.008 (+0.20%) 4.014 3.999 4.037 3.967 16,647

Figure 4: Henry Hub Natural Gas Futures - Quotes

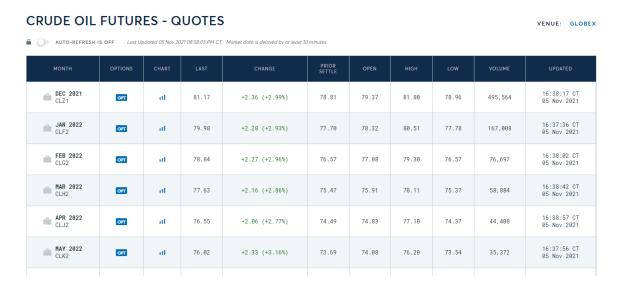


Figure 5: Crude Oil Futures - Quotes

On top of the costs, many assumptions were put into the model for the economic summary such as a constant \$10/bbl , \$0.35/Mcf operation cost, and a \$1.25/bbl salt water disposal cost. In terms of taxes, we followed the Texas state tax and local taxes automatically inputted into PHDWin which was a state tax of 7.50% for gas, 4.60% for oil and a 2.50% combined local tax.

Performance of a New Well

In addition to the prior tasks, you have also asked us the performance of a new well within the area of our current leases. To do this, we ran an End of Production (EOP) Area Type Curve where we were able to get a normalized plot of both oil and gas production (refer to appendix). From this curve, we attained an initial production of 8500 bbl/month, decline rate of 50.171 %/year, and a hyperbolic factor of 0.45. The initial investment was assumed to be \$6 million while everything else such as the price of oil and gas, expenses, and inflation were kept the same. We also assumed the new well would be drilled in November 2022 (next year). The new well alone performed with a payout time of 4.37 years which is not the best for a horizontal well. Our discounted return on investment (15%) and undiscounted return on investment were \$1.05/\$1.00 and \$1.389/\$1.00 respectively. Also, we have determined the break even oil and gas price for this investment where the costs and expenses including taxes are just paid back to be \$60.09/BOE (barrel of oil equivalent). Our Internal rate of return was 15.35%. On the other hand, when combined with our other 4 leases, our new oil well performed better with a payout time of 2.03 years. The combined report also yielded a \$1.55/\$1.00 return on investment discounted at 15%, \$1.94/\$1.00 return on investment undiscounted, and a rate of return of more than 1000%. Refer to appendix A at the bottom of the report for performance results of the hypothesized oil well and grand total summary.

The data used in the preparation of our report was obtained from the public records within Drilling Info and from the sources referenced below. These data were accepted as presented. Please call on us if you have any questions concerning this report. Thank you for the opportunity to be of service.

Sincerely yours,

Adrian Joshua B. Raygon Hyungjoo Lee John Pritchard Yaser Abuarab

Team Time to Find a Job
The University of Texas at Austin

References:

CME Group, "CRUDE OIL FUTURES - QUOTES", 05 Nov 2021, https://www.cmegroup.com/markets/energy/crude-oil/light-sweet-crude.quotes.html

CME Group, Henry Hub Natural Gas, 05 Nov 2021, https://www.cmegroup.com/markets/energy/natural-gas/natural-gas.quotes.html

Drillinginfo, Drillinginfo, 2021, http://www.drillinginfo.com/frameInfo.jsp.

In 2013 Dollars, "Historical pricing for Fuel oil since 1935," March 2021. https://www.in2013dollars.com/Fuel-oil/price-inflation

"Inflation Rate for Gas between 1970-2021." Gas Price History from 1970 through 2021, Official Data Foundation, 2021, https://www.officialdata.org/Gasoline-(all-types)/price-inflation/1970.

Appendix A:

Gate7H Lease Economic Summary and Decline Curve Fitting:

Date: 11/05/2021 6:58:31PM | Date: 11/05/2021 | 6:58:31PM |
| Partner: All Cases |
Retrieval Code:	3081640
Reserve Cat.:	Proved Producing
Location:	93 GWT&PRR CO 71
Archive Set:	default

ECONOMIC PROJECTION wtf GATES 010 CHK-B TR 1 7H

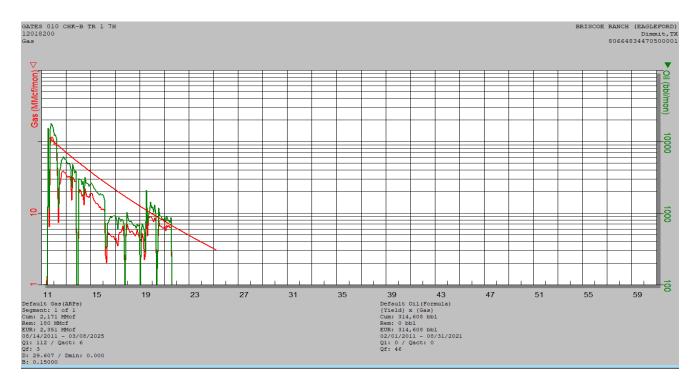
Discount Rate: 15.00 As of: 11/01/2021

Case: GATES 010 CHK-B TR 1 7H
Type: LEASE CASE
Field: BRISCOE RANCH (EAGLEFORD)
Operator: CHES APEAKE OPERATING, L.L.C.
Reservoir: EAGLEFORD
Co., State: Dimmit, TX
API No.: 4212733814

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl): 314.61 2,171.32 0.00

	Oil	Gas	Oil	Gas	Oil	Gas	Oil & Gas	M isc.	Costs	Taxes	Invest.	NonDisc. CF	Cum
	Gross	Gross	Net	Net	Price	Price	Rev. Net	Rev. Net	Net	Net	Net	Annual	Disc. CF
Year	(Mbbl)	(MMef)	(Mbbl)	(MMcf)	(\$/bbl)	(\$/M cf)	(M\$)	(M \$)	(M\$)	(M\$)	(M \$)	(M \$)	(M \$)
2021	0.00	12.45	0.00	9.34	0.00	5.62	52.51	0.00	4.37	5.26	0.00	42.88	42.38
2022	0.00	65.48	0.00	49.11	0.00	5.39	264.67	0.00	23.57	26.50	0.00	214.60	239.10
2023	0.00	52.57	0.00	39.43	0.00	3.95	155.62	0.00	19.76	15.59	0.00	120.26	334.93
2024	0.00	42.61	0.00	31.96	0.00	3.12	99.62	0.00	16.73	9.98	0.00	72.90	385.36
2025	0.00	6.88	0.00	5.16	0.00	2.87	14.80	0.00	2.78	1.48	0.00	10.54	392.05

Rem. Total 3.4	0.00 0.00	0.00 179.99	0.00	0.00 135.00	0.00	0.00 4.35	0.00 587.21	0.00	0.00 67.21	0.00 58.82	0.00		0.00 392.05
Ult.	314.61	2,351.32			E co. In	dicators							
Major Phase :	Gas			Return or	Investme	nt (disc) :	0.000	Pres	ent Worth P	rofile (M\$)			
Initial Rate:	6,327.57	Mcf/month		Return on Ir	vestment	(undisc):	0.000	PW	5.00%:	435.01	$\mathbf{p}\mathbf{w}$	20.00%:	374.23
Ab and onment:	3,069.20	Mcf/month			Years to	Payout:	0.00	PW	8.00%:	420.94	PW	30.00%:	344.09
Initial Decline:		%/year b = 0	.15	Internal F	late of Re	turn (%) :	0.00	PW	10.00% :	412.16	PW	40.00%:	319.60
Initial Ratio :		bb1/Mcf						PW	12.00% :	403.81	PW	50.00% :	299.31
Ab andon Ratio :	0.000	bb1/Mcf			Initi	al lst	Rev. 2nd Rev.	PW	15.00% :	392.05	PW	60.00% :	282.25
Ab andon Day:	03/08/2023		Worki	ng Interest :	1.000000	0.000	000000000000000000000000000000000000000						
			Reven Rev. D	ue Interest :) ate :	0.750000	0.000	0.00000000						



Blakeway Lease Economic Summary and Decline Curve Fitting:

ECONOMIC PROJECTION

| Date: 11/05/2021 7:10:56PM | Partner: All Cases | Retrieval Code: 3228470 | Reserve Cat.: Proved Produ Location: 1238 T&N default | 7:10:56PM All Cases 3228470 Proved Producing 1238 T&NO RR CO/VANDERV OORT default

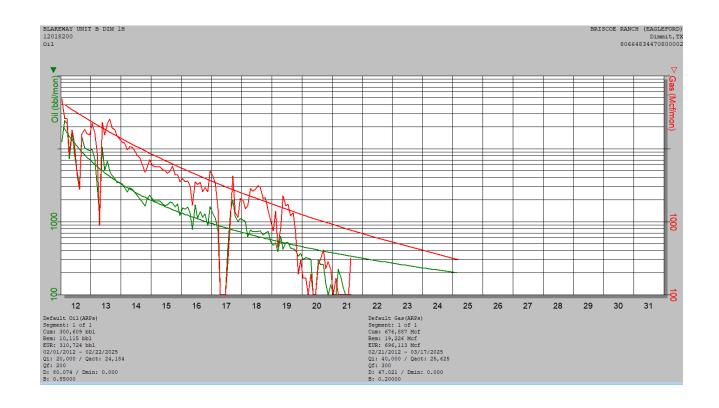
wtf
BLAKE WAY UNIT B DIM 1H
Discount Rate: 15.00
As of: 11/01/2021

Case: BLAKEWAY UNIT B DIM 1H
Type: LEASE CASE
Field: BRIS COE RANCH (EAGLEFORD)
Operator: CHES APEAKE OPERATING, LL.C.
Reservoir: EAGLEFORD
Co., State: Dimmit, TX
API No.: 4212734143

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl): 300.61 676.89 0.00

	Oil	Gas	Oil	Gas	Oil	Gas	Oil & Gas	M isc.	Costs	Taxes	Invest.	NonDisc. CF	Cum
	Gross	Gross	Net	Net	Price	Price	Rev. Net	Rev. Net	Net	Net	Net	Annual	Disc. CF
Year	(M bb I)	(MMcf)	(Mbbl)	(MMcf)	(\$/bbl)	(\$/M cf)	(M\$)	(M\$)	(M\$)	(M\$)	(MS)	(MS)	(MS)
2021	0.64	1.41	0.48	1.06	81.17	5.62	44.99	0.00	6.93	3.37	0.00	34.69	34.28
2022	3.50	7.22	2.62	5.41	80.20	5.39	239.50	0.00	38.61	17.88	0.00	183.01	201.67
2023	3.01	5.53	2.25	4.14	74.03	3.95	183.23	0.00	34.47	13.51	0.00	135.26	309.23
2024	2.62	4.30	1.97	3.22	68.65	3.12	144.99	0.00	31.24	10.60	0.00	103.14	380.48
2025	0.35	0.77	0.26	0.58	66.96	2.87	19.31	0.00	4.38	1.42	0.00	13.50	389.06

Rem.	0.00	0.00	0.00	0.00 0	.00 0.0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total 3.4	10.11	19.23	7.59	4.42 74	.98 4.3	9	632.01	0.00	115.63	46.78	0.00	469.60	389.06
Ult.	310.72	696.11		_									
				E	o. Indica	tors							
Major Phase :	Oil		Re	turn on Inve	estment (d	lise): (0.000	Pres	ent Worth P	rofile (M\$)			
Initial Rate:	324.17	bb1/month	Retu	rn on Invest	ment (und	lise): (0.000	PW	5.00%:	438.91	PW	20.00%:	368.61
Ab and onment:	0.00	bb1/month		Ye	ars to Pay	out:	0.00	PW	8.00%:	422.50	PW	30.00%:	334.35
Initial Decline:		%/year b = 0.55	In	ternal Rate	ofReturn	(%):	0.00	PW	10.00%:	412.30	PW	40.00%:	306.85
Initial Ratio:		Mcf/bb1						PW	12.00% :	402.64	PW	50.00% :	284.34
Ab andon Ratio :		Mcf/bb1			Initial	1st Rev	2nd Rev.		15.00% :	389.06	PW	60.00% :	265.60
Ab andon Day:	03/17/2025		Working In	terest: 1.0	0000000	0.0000000	0.00000000		15.00%.	505.00		00.0070 .	203.00
			_	terest: 0.7		0.00000000							
			Rev. Date :										



Martin Lease Economic Summary and Decline Curve Fitting:

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl): 86.22 552.70 0.00

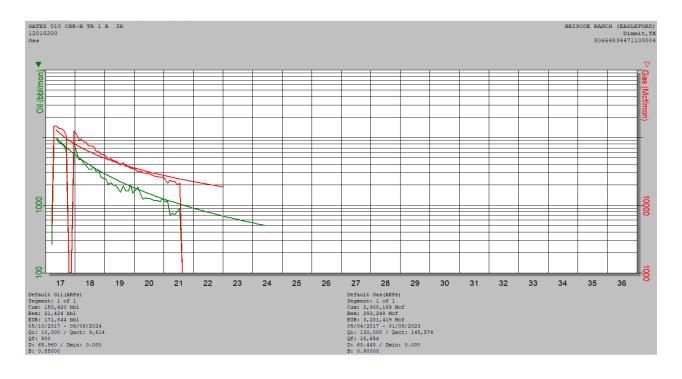
ECONOMIC PROJECTION

wtf
MARTIN UNIT B DIM 1H
Discount Rate: 15.00
As of: 11/01/2021

Case: MARTIN UNIT B DIM 1H
Type: LEASE CASE
Field: BRISCOE RANCH (EAGLEFORD)
Operator: CHES APEAKE OPERATING, L.L.C.
Reservoir: EAGLEFORD
Co., State: Dimmit, TX
API No.: 4212734868

Year	Oil Gross (M bb l)	Gas Gross (MMcf)	Oil Net (Mbbl)	Gas Net (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/M cf)	Oil & Gas Rev. Net (M\$)	Misc. Rev. Net (MS)	Costs Net (M\$)	Taxes Net (M\$)	Invest. Net (M\$)	NonDisc. CF Annual (M\$)	Cum Disc. CF (M\$)
2021	0.46	4.05	0.35	3.04	81.17	5.62	45.10	0.00	6.04	3.70	0.00	35.35	34.94
2022	2.54	22.18	1.91	16.63	80.19	5.38	242.35	0.00	34.16	19.83	0.00	188.36	207.24
2023	2.23	19.20	1.67	14.40	74.02	3.94	180.52	0.00	31.25	14.49	0.00	134.78	314.43
2024	1.87	16.82	1.40	12.62	68.75	3.12	135.73	0.00	27.67	10.80	0.00	97.26	381.80
2025	0.00	14.78	0.00	11.09	0.00	2.87	31.83	0.00	6.06	3.19	0.00	22.58	395.35
2026	0.00	7.49	0.00	5.62	0.00	2.89	16.23	0.00	3.18	1.63	0.00	11.43	401.49

Rem.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total 4.7	7.10	84.52	5.33	63.39	75.30	3.96	651.75	0.00	108.36	53.63	0.00	489.75	401.49
Ult.	93.32	637.22											
					E co. II	dicators							
Major Phase :	Oil			Return or	Investme	nt (disc) :	0.000	Pres	ent Worth P	rofile (M\$)			
Initial Rate :	232.42	bb1/month		Return on Is	vestment	(undisc):	0.000	PW	5.00% :	455.80	PW	20.00%:	379.50
Ab and onment:	0.00	bb1/month			Years t	o Payout :	0.00	PW	8.00% :	437.81	PW	30.00%:	343.03
Initial Decline:		%/year b = 0	70	Internal I	Rate of Re	turn (%):	0.00	PW	10.00%:	426.68	PW	40.00%:	314.08
Initial Ratio :		Mcf/bb1						PW	12.00%:	416.18	PW	50.00% :	290.59
Ab andon Ratio : Ab andon Day :	0.000 07/22/2026	Mcf/bb1			Init	al <u>lst</u>	Rev. 2nd Rev.		15.00% :	401.49		60.00% :	271.17
realison Day .	0772272020		Work	ing Interest :	1.00000	000 0.000	000000000 00000						
			Reve	nue Interest :	0.75000	0.000	0.00000000						
			Rev	Date:									



Gates3H Lease Economic Summary and Decline Curve Fitting:

| Date: 11/05/2021 7:04:58PM | Partner: All Cases | Retrieval Code: 4438.25 | Reserve Cat.: Proved Producing | Location: 93 GWT&PRR CO 71 | Archive Set: default | Partner | Par

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl): 150.42 2,908.17 0.00

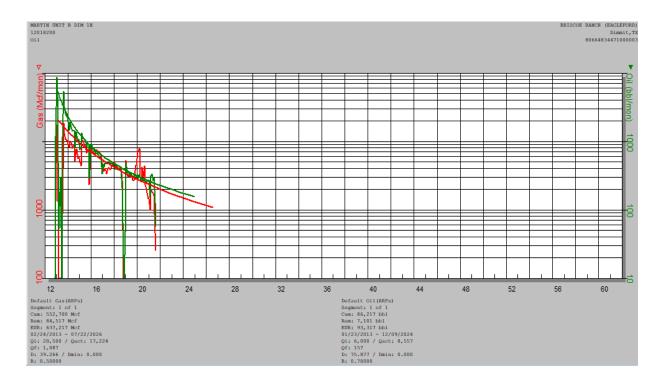
ECONOMIC PROJECTION

wtf
GATES 010 CHK-BTR 1 B 3H
Discount Rate: 15.00
As of: 11/01/2021

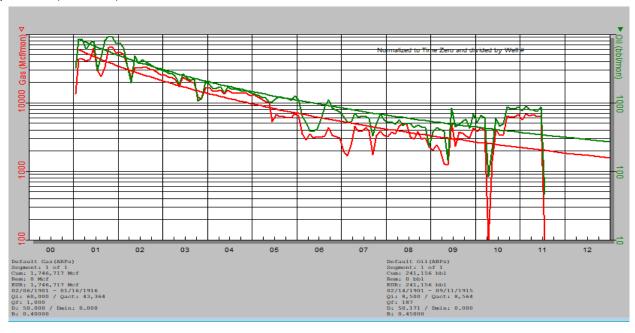
Case: GATES 010 CHK-B TR 1 B 3H
Type: LEASE CASE
Field: BRIS COE RANCH (EAGLEFORD)
Operator: CHES APEAKE OPERATING, L.L.C.
Reservoir: EAGLEFORD
Co., State: Dimmit, TX
API No.: 4212737329

Year	Oil Gross (Mbbl)	Gas Gross (MMcf)	Oil Net (Mbbl)	Gas Net (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/M cf)	Oil & Gas Rev. Net (M\$)	M isc. Rev. Net (M\$)	Costs Net (M\$)	Taxes Net (M\$)	Invest. Net (M\$)	NonDisc. CF Annual (M\$)	Cum Disc. CF (M\$)
2021	1.85	45.36	1.39	34.02	81.17	5.62	304.14	0.00	34.54	27.18	0.00	242.42	239.60
2022	9.47	244.49	7.10	183.37	80.24	5.38	1,557.37	0.00	185.55	139.39	0.00	1,232.43	1,368.40
2023	7.38	3.39	5.54	2.55	74.06	4.09	420.43	0.00	80.79	30.20	0.00	309.45	1,615.06
2024	2.72	0.00	2.04	0.00	68.97	0.00	140.57	0.00	30.26	10.00	0.00	100.31	1,687.00

Rem.		0.00	0.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.6	21.42	293.25		16.07	219.94	76.76	5.41	2,422.52	0.00	331.14	206.77	0.00	1,884.61	1,687.00
Ult.	'	171.84	3,201.42												
							E co. In	<u>idicators</u>							
Major P	nase:	Gas				Return on	Investme	ent (disc) :	0.000	Pres	ent Worth	Profile (M\$)			
Initial R	ate:	22,989.68	Mcf/month		I	Return on Ir	vestment	(undisc):	0.000	PW	5.00% :	1,811.60	$\mathbf{p}\mathbf{w}$	20.00%:	1,633.38
Ab andos	nment:	0.00	Mcf/month				Years to	o Payout :	0.00	PW	8.00%:	1,771,47	PW	30.00%:	1,539.75
Initial D	ecline :	17.749	%/year	b = 0.90		Internal F	cate of Re	turn (%):	0.00	PW	10.00% :	1,746.10	PW	40.00% :	1,460.64
Initial R	atio:	0.041	bb1/Mcf							PW		1,721.75	PW	50.00% :	1,392.82
Ab andor		0.000	bb1/Mcf				Initi	ial l	st Rev. 2nd Rev.		15.00% :	1,687.00			1,333.98
Ab andor	Day:	06/06/2024			Workin	ng Interest :	1.00000	000 0.00	0000000 0.0000000)		-,			_,
					Revent	se Interest :	0.75000	00.0	0.000000 0.0000000)					
					Rev D	ata :									



EOP Type Curve (Oil & Gas):



New Oil Well Economic Summary and Decline Curve Fitting:

Date: 11/05/2021
Partner:
Retrieval Code:
Reserve Cat.:
Location:
Archive Set: 7:26:15PM All Cases

Ab andon Ratio: Ab andon Day:

0.000 Mef/bb1 12/03/2052

Proved Producing default

ECONOMIC PROJECTION

wtf
New Hypoth Curve
Discount Rate: 15.00
As of: 11/01/2021

Case: New Hypoth Curve Type: LEASE CASE Field: Eagleford

Operator:
Reservoir:
Co., State: Dimmit, TX
API No.:

PW 15.00%:

PW 60.00%:

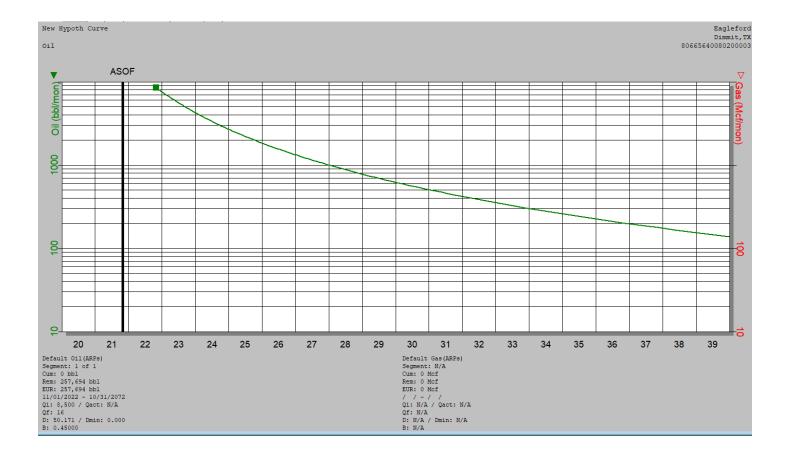
-1,303.03

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl):		Mef):	0.00 0.00 0.00								API No. :				
Yes	ar	Oil Gross (Mbbl)	Gas Gross (MMcf)	Oil Net (Mbbl)	Gas Net (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/M cf)	Oil & Gas Rev. Net (M\$)	Misc. Rev. Net (M\$)	Costs Net (M\$)	Taxes Net (M\$)	Invest. Net (M\$)	NonDisc. CF Annual (M\$)	Cum Disc. CF (M\$)	
202	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022	2	16.10	0.00	12.07	0.00	74.97	0.00	905.08	0.00	169.04	64.36	6,000.00	-5,328.31	-4,640.48	
2023	3	68.22	0.00	51.17	0.00	74.19	0.00	3,795.93	0.00	734.10	269.93	0.00	2,791.90	-2,410.01	
2024	4	40.67	0.00	30.50	0.00	68.69	0.00	2,095.29	0.00	458.09	149.01	0.00	1,488.19	-1,378.17	
2025	5	26.64	0.00	19.98	0.00	66.24	0.00	1,323.57	0.00	314.07	94.14	0.00	915.36	-826.52	
2026	5	18.73	0.00	14.05	0.00	61.69	0.00	866.46	0.00	231.06	61.63	0.00	573.77	-526.16	
2027		13.82	0.00	10.37	0.00	60.03	0.00	622.26	0.00	178.44	44.26	0.00	399.55	-344.35	
2028	3	10.61	0.00	7.96	0.00	58.72	0.00	467.15	0.00	143.30	33.23	0.00	290.61	-229.44	
2029	9	8.33	0.00	6.25	0.00	58.56	0.00	365.99	0.00	117.80	26.04	0.00	222.15	-153.09	
2030	0	6.72	0.00	5.04	0.00	58.63	0.00	295.50	0.00	99.41	21.02	0.00	175.07	-100.78	
2031	1	5.52	0.00	4.14	0.00	58.63	0.00	242.89	0.00	85.49	17.28	0.00	140.11	-64.37	
2032	2	4.62	0.00	3.47	0.00	58.63	0.00	203.36	0.00	74.90	14.47	0.00	113.99	-38.62	
2033		3.90	0.00	2.93	0.00	58.63	0.00	171.64	0.00	66.15	12.21	0.00	93.28	-20.31	
2034		3.34	0.00	2.51	0.00	58.63	0.00	147.01	0.00	59.28	10.46	0.00	77.27	-7.11	
2035	5	2.89	0.00	2.17	0.00	58.63	0.00	127.19	0.00	53.66	9.05	0.00	64.48	2.46	
Rem.		20.96	0.00	15.72	0.00	58.63	0.00	921.50	0.00	541.13	65.55	0.00	314.81	25.91	
Total	31.1	251.08	0.00	188.31	0.00	66.65	0.00	12,550.83	0.00	3,325.94	892.64	6,000.00	2,332.25	28.37	
Ult.		251.08	0.00	_		E co. l	Indicators								
Major Phase :		Oil			Return	on Investn	nent (disc)	1.005	Pre	Present Worth Profile (M\$)					
Initial Rate :		8,500.00	bb1/month		Return on Investment (undisc):			: 1.389	PW	5.00% :	1,230	.54 PW	20.00%:	-324.13	
Ab andonment :			bb1/month		Years to Payout				PW	8.00%:	770	.19 PW	30.00%:	-781.64	
Initial Decline : Initial Ratio :		50.171	%/year b Mcf/bbl	= 0.45	Interna	RateofR	leturn (%)	: 15.35	PW		518		40.00%:	-1,048.09	
	n Ratio		Mof/bb1							12.00%:	301	.89 PW	50.00%:	-1,207.70	

Working Interest: 1.00000000 0.00000000 0.000000000 Revenue Interest: 0.75000000 0.000000000 0.000000000 Rev. Date: TRC Standard Eco.rpt

1st Rev. 2nd Rev.

Initial



New Oil Well and 4 Leases Grand Total Economic Summary:

Date: 11/05/2021 7:28:34PM Partner:

All Cases

ECONOMIC SUMMARY PROJECTION

Total

wtf
Custom Selection
Discount Rate: 15.00
As of: 11/01/2021

Est. Cum Oil (Mbbl): Est. Cum Gas (MMcf): Est. Cum Water (Mbbl):

851.85 6,309.08 0.00

Est. Cum Water (Mbbl):		r (Mbbl):	0.00												
Year		Oil Gross (Mbbl)	Gas Gross (MMcf)	Oil Net (Mbbl)	Gas Net (MMcf)	Oil Price (\$/bbl)	Gas Price (\$/M cf)	Oil & Gas Rev. Net (M\$)	Misc. Rev. Net (M\$)	Costs Net (M\$)	Taxes Net (M\$)	Invest. Net (M\$)	NonDisc. CF Annual (M\$)	Cum Disc. CF (M\$)	
2021		2.95	63.27	2.22	47.46	81.17	5.62	446.73	0.00	51.88	39.51	0.00	355.34	351.20	
2022		31.61	339.37	23.70	254.53	77.55	5.39	3,208.97	0.00	450.94	267.96	6,000.00	-3,509.93	-2,624.08	
2023		80.84	80.69	60.63	60.52	74.16	3.95	4,735.73	0.00	900.37	343.71	0.00	3,491.65	163.63	
2024		47.88	63.73	35.91	47.80	68.71	3.12	2,616.20	0.00	563.99	190.40	0.00	1,861.81	1,456.47	
2025		26.99	22.44	20.24	16.83	66.25	2.87	1,389.51	0.00	327.29	100.23	0.00	961.99	2,036.93	
2026		18.73	7.49	14.05	5.62	61.69	2.89	882.69	0.00	234.24	63.26	0.00	585.19	2,343.44	
2027		13.82	0.00	10.37	0.00	60.03	0.00	622.26	0.00	178.44	44.26	0.00	399.55	2,525.25	
2028		10.61	0.00	7.96	0.00	58.72	0.00	467.15	0.00	143.30	33.23	0.00	290.61	2,640.16	
2029		8.33	0.00	6.25	0.00	58.56	0.00	365.99	0.00	117.80	26.04	0.00	222.15	2,716.51	
2030		6.72	0.00	5.04	0.00	58.63	0.00	295.50	0.00	99.41	21.02	0.00	175.07	2,768.82	
2031		5.52	0.00	4.14	0.00	58.63	0.00	242.89	0.00	85.49	17.28	0.00	140.11	2,805.23	
2032		4.62	0.00	3.47	0.00	58.63	0.00	203.36	0.00	74.90	14.47	0.00	113.99	2,830.98	
2033		3.90	0.00	2.93	0.00	58.63	0.00	171.64	0.00	66.15	12.21	0.00	93.28	2,849.29	
2034		3.34	0.00	2.51	0.00	58.63	0.00	147.01	0.00	59.28	10.46	0.00	77.27	2,862.49	
2035		2.89	0.00	2.17	0.00	58.63	0.00	127.19	0.00	53.66	9.05	0.00	64.48	2,872.06	
Rem.		20.96	0.00	15.72	0.00			921.50	0.00	541.13	65.55	0.00	314.81	25.91	
Total	31.1	289.72	576.99	217.29	432.74	67.90	4.83	16,844.32	0.00	3,948.29	1,258.63	6,000.00	5,637.39	2,897.97	
Ult.		1,141.58	6,886.06		E co. Indicators										
					Return on Investment (disc) :				Pre	Present Worth Profile (M\$)					
					Return on Investment (undisc):				PW	5.00%:	4,371.	85 PW	20.00%:	2,431.60	
					Years to Payout : Internal Rate of Return (%) :				PW	8.00%:	3,822.	92 PW	30.00%:	1,779.58	
					Interna	I Kate of K	Leturn (%)	>1000	PW				40.00%:	1,353.07	
									PW	12.00%:	3,246.		50.00%:	1,059.37	
									DW	15.00% :	2,897.	07 DW	60.00%:	849.97	

TRC Standard Eco.rpt

Appendix B:

Adrian Raygon -Blakeway, Report Organization Hyungjoo Lee - Martin, Report Organization/Excel Boy John Pritchard - Gates3H, Report Organization Yasir Abuarab - Gates7H, Report Organization