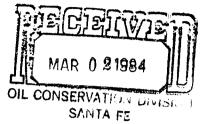
Morris R. Antweil

OIL OPERATOR
P. O. Box 2010
Hobbs, New Mexico 88240

February 28, 1984

Energy & Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501



RE: Application to Downhole Commingle
Morris R. Antweil
No. 1 Eggbert
Section 8-T20S-R38E
Lea County, New Mexico

Gentlemen:

Morris R. Antweil respectfully requests Administrative Approval for an exception to Rule 303-A to permit the commingling downhole of the production from the West Nadine Blinebry and the West Nadine Drinkard oil pools in the above captioned well. This well is located at 1980' from the north line and 660' from the east line of Section 8-T20S-R38E, N.M.P.M. In support of this request, the following facts are presented:

1) The most recent tests on the respective zones are:

Drinkard: 8-18-83 16.3 bbls oil, 6 bbls water

and 218 MCF gas during 24 hour

7

test.

Perforations: 6914'-6968' (18 holes)

Blinebry: 2-16-84 19.2 bbls oil, 6 bbls water

and 64.6 MCF gas during 24 hour

test.

Perforations: 6086'-6393' (21 holes)

- 2) The Drinkard section is currently not producing, being isolated by a bridge plug at 6595'. All production at the present is from the Blinebry perforations.
- 3) Both producing zones require artificial lift and were tested separately using a rod pumping installation.
 - 4) Surface commingling of the produced fluids did not result

Energy & Minerals Department February 28, 1984 Page 2

in the formation of any precipitates. Analysis of the produced waters is as follows:

	Blinebry	Drinkard
Resistivity	.072 @ 74°F	.063 @ 74°F
Specific Gravity	1.092	1.109
ρĤ	6.8	6.8
Calcium	8500	8400
Magnesium	960	1680
Chlorides	80000	97000
Sulfates	2300	2400
Bicarbonates	120	95
Soluble Iron	nil	${\tt nil}$

- 5) Neither zone produces more water than the combined oil limit of 40 bbls per day.
- 6) Commingling of the produced crudes does not result in a decrease in value with respect to the separate streams. The Blinebry crude is averaging 35.3° API at 60°F while the Drinkard crude averages 32.9° API at 60°F. Combination of these two oils at a ratio of 54.1% Blinebry and 45.9% Drinkard results in a mixture of 34.2° API. This oil would at present prices have a value of \$29.88/bbl while the separate streams would have a price of \$29.87/bbl when weighted for the mixing ratio above.
- 7) Ownership of the zones is common and is all private ownership.
- 8) Commingling will not jeopardize the efficiency of any future secondary recovery operations. No such operations are underway or planned at the present.
- 9) A plat showing the well, proration unit and surrounding ownership is attached.
- 10) Copies of Division Form C-116 are attached showing results of 24 hour tests.
- 11) A resume of the completion and production history of the well is attached.
- 12) The estimated bottom hole pressures for the two zones are:

Drinkard 1680 psi Estimated from swabbing fluid levels. Blinebry 2100 psi Estimated from swabbing fluid levels.

Energy & Minerals Department February 28, 1984 Page 3

13) The proposed allocation of production is as follows based on the above captioned 24 hour tests:

	Oi1	Gas	Water
Blinebry	54.1%	22.9%	50%
Drinkard	45.9%	77.1%	50%

14) All operators in Section 8 and the offset operator in Section 9 have been furnished a copy of this application by certified mail. A distribution list is included.

Morris R. Antweil, therefore, requests approval be given administratively to commingle the Blinebry and Drinkard production from this well downhole.

Respectfully submitted,

MORRIS R. ANTWEIL

Jerry Hillard

JH:prb

Amerada Hess Corporation P. O. Box 2040 Tulsa, Oklahoma 74102

Crown Central Petroleum Corporation 731 West Wadley Building K-Suite 200 Midland, Texas 79701

Tamarack Petroleum Company, Inc. P. O. Box 2046 Midland, Texas 79702

MORRIS R. ANTWEIL NO. 1 EGGBERT COMPLETION HISTORY

4-20-81 4-21-81	Perforated Drinkard interval 6914'-6968' (18 holes). Acidized with 5000 gals. 15% acid.
4-22-81	Swabbed 1.5 BO & .25 BW per hour.
4-23-81	Fractured with 25,000 gals. gelled water and 20,000
	pounds sand.
4-27-81	Swabbed .5 BO & 1.5 BW per hour.
5-01-81	Set pumping unit. Started pumping.
5-11-81	Pumped 10 BO & 8 BWPD.
6-03-81	Treated with 18,000 gals. gelled water and 15,000 gals. 28% acid.
7-07-81	Potential tested 82.08 BO, 8 BW & 120 MCF gas per day. GOR 1462.

Monthly	Production 81	Drinkard		a1 32	8:	3
	Oil	Gas	Oil	Gas	Oil	Gas
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec	295 910 1318 972 927 1482 1323 1282	571 1628 1410 3765 4104 4926	1039 994 1042 952 927 910 867 849 769 746 552 625	5006 5038 5761 5753 6438 7059 7035 7016 6630 6487 6116 5759	605 533 576 511 547 492 475 504	5329 5219 5763 5263 6266 6481 6957 3697
8-16-83 8-17-83 8-18-83 8-19-83	Acidize Swabbed Fractur 6362%'-	d with 500 1 bb1 flu e treated 6393' 20,0 199½' 33,0	0 gals. id with in stage 00 gals.	5% oil cut es with pac	per hour ker and b ter and 2	ridge plug: 0.300# sand.
8-23-83 9-07-83 9-10-84 9-19-83 9-21-83 9-29-83 9-30-83	Started Pumped Started Pumped Started Pumped Tested and 608	pump test 37 BO & 36 pumping 1 12.74 BO & pumping m 25.5 BO & for commun 6'-6105'.	BW. ower zor 3 BW. iddle zo 18 BW. ication Test wa	ne 6362½'-6 one 6176'-6 between pe as positive	199½'. rfs 6176'	-6199½'
10-04-83 10-15-83	Potenti	pumping a al tested . GOR 352	30.18 BG	orations. O, 18 BW an	d 106.50	MCF gas

MORRIS R. ANTWEIL NO. 1 EGGBERT COMPLETION HISTORY PAGE 2

Monthly	Production 83		Interval
	Oil	Gas	
Sept	842	2389	
0ct	818	2694	
Nov	630	2029	
Dec	603	1882	
	84	•	
	Oil	Gas	
Jan	512	2124	

		,		
1 40 70 4r 41 40 03 Ar 3 40 05 Ac 2 40 07 Ac			40 00 Ac 3 39 96 Ac 2 39 9	0 de / 1
\$alsich A.Antweil 3:25:85	5.5 85 1 11.20.82 -6" /	Antwell Ke Nadine Lovelady	1ke Lovelady 145	l.Good
Mary B Weir, Est Leonardea M.T. Sw.Cat.(S) T.McNeill	W. Terry.M.I. O M.Artweil M.T. McNeill (S) Daisy	Perry M. 9 11 - 19 - 84	7'8'04 3'11'02 17	$\pi(S)$
AAritweil 8-22-76	Antwell Antwell (LLoveladul)	ke Love- Ke		(e) Z
3 25 85 HV To base Blinebry	Arriweil	ady,etal Lovelady 1.19.84 1.30.85 Antweil 11.19.84	1.30.65	84,
Wolfson Mary B. Weit M. Leonardelok F. J. Goodson (S.		ODutch 11. 19. 84	11 16 84	1
MARINA (MEUNEAN) YALLU	Phillips Lizzie TD 7030 Williams,	9.Byron) (avelody Antwell 1.4.85	Antweil 4	F
5. 22. 90 Pwo Dist.	Para Resident	J. P MENTARELL'SIO 18 4/16	(Yeager Dev., etal)	
16.5 81 03 (WO) M. 8 Wals Masses	-O-Pollord F.J.	Ruth Tike Ruby	Ruby Mae Oswald	etal C
1 40 66 Ar Keehane Crown Cent	(Antwell) Dekalb Tamarac	K-etaly Lamora	ck etal Ike Lovela	
(Leonard) (Leona			5-19-85 11-19-84 9-11-84 9-9	L
S.W.Cottle Co.(S) F Turner, Jr.	McCallister A Goodson (S) Way HP	Roberts "Hosket" hillips, M. F. 16000	/ Murile Poyton	
44634c L.B. Burleson		omprock Tamara	k,etal	—
「量 5.14.89 Al 」/●	2 o ³ l. • l.	(P/8)a P33	9.2.83 15.18.82. Schenick 5.19.85.	L
S.W.Car.Co.(S) Leonard S.W.Cat(S			Simmons W	Good I
CONTRACTOR OF THE PARTY OF THE	Tomorock			Love-
Rirby Tidewater 64 Pet.	I'G Antweil	al stol	P4 Id	dy I
3) 3.5⋅8⋅77 Øl-SWD 'super A	(Mobil & Antwell Ledhetter)	Antweil (P/E) (I	A) Tomarack, 3/4 4.1 (A. Antweil, Tr.) 5.1	· 85
5-23-77 7 - Dyels	2-6 Dekalb 38	Antweil (P/E) (I Eggbert Or Disc Tamorark P82 Danglade	Tamarack (Moranco Pan Amer.)	
HISSOIT	4		DEDEM	idridge
203	102 D9938 D	amarrick Hannien.	D/A9-19-69) EW	E-D.C ir. etai
4053 Ac d Can., 401		Jomarock, Lutham	Comprock Lovelady	1 - 1
Sweet Getty	H B P(R.H)	7 31 6311 662 2 15.83	1 etal 11:25:83 11:582	۽ ا
1 9205 NO A A TELESTICAL	702 Hannifin & Croley &	Yeoger Dev.) Yeoger - 8-25-84 Dev. 8-25-84 Cabot Carbon Cabot (S)		*
Stanford Stanford Stanford		النبي المسيدين أسادات بينتس		velady I
Texaco 402 T/A Getty \$ 901	701 R H 1 2.7.951-15-85	12-15-83	Raleu 191	7. 85
A 15 Ch Sweet Sweet 101 Humble	594 (etal & Bert 4 10.8.84 7.31.63	Year Devil Hannitine at	D/A 9 · 10 · 54	2.844
Stanford Stanford Raley	Earl Kornego	14 8. 25.84 8. 25 . 84	Tamarack,3/4 A.Antweil,Tr.	201
Amerada 4 A 5 110 117	121 18	Continental So. Union	Moranco I	
M.B.Weir	▼ T09561	etal Supply HBP 10 · I · 86	2 · 24 · 82	Neill, Jr.
S.W.Cot.(S) 18 WARREN	WEKEE Ameroda	0316708 LG-3806	,16	1.20.52
-37 3 14 all	AMERADA	34 <u>89</u>]
3 Mil 638	Dual (OPER.)		8	R.P. yron
Fred Turner, Jr	IA ZA ZO ZO ZO A		3/6	Mil.
14045 Ac 41 CONOCO 15 113	PARTATION AND AND		المار	3806 1000
••• ⁷¹		US M: State, MI	I MIJ. DEIIPETT 1 34	199
Semu-Perm."]	Karnegay	Earl Kornegay Sta	re,MI

Subject Well No. 1 Eggbert 1980' FNL & 660' FEL Section 8-T20S-R38E

Proration Unit 40 Acres

MORRIS R. ANTWEIL

NADINE AREA LEA COUNTY, NEW MEXICO

Mevised I-I-65

No will Still be reported an allowable greater than the amount of oil produced on the official test. No will Still be reported an allowable greater than the amount of oil produced on the official test. During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission. Gas volumes must be reported in MCF measured at a pressure base of 15.025 pala and a temperature of 60° F. Specific gravity base will be 0.60. Report casing pressure in lieu of tubing pressure for any well producing through casing. Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.	NUR 1 6 1983	RECEIVED			Eggbert	LEASE NAME		P. O. Box 2010 Hobbs,	Operator MORRIS R. ANTWEIL
able greaterlished			. •			NO.	MELL	s, New	
er than be prod uraged saion. sured at					Ħ	c		Mex1co	
the amo luced at to take to take to take to take					∞	s	רסכ,	ì	Pool
a rate advanta advanta sure bas					208	4	LOCATION	88240	West
ll produc not exce ge of thi e of 15.0 e of 15.0 the New				<u> </u>	38E	25			Nadine
ed on the official eding the tup urself. 25 paia and a tengenerate to the control of the contro					8-13-83	TEST	DATEOF		ne Drinkard
il test it all eranc empers					ъ	STAT		TYPE	٦
h order					}	SIZE	CHOKE	- (X)	
that well of F. Spec					l		TBG.	Sch	
si well can be assigned. 7. Specific gravity base					60	ALLOW-	DAILY	Scheduled []	Cou
& B 73 II					24	TEST HOURS	LENGTH		County Lea
I he is true ledge					6	WATER BBLS.	g	Com	
I hereby certify is true and compledge and belief. Agent August 1					31.1	GRAV.	ROD, C	Completion [
reby certify that the and complete to the and belief. (Signature Agent (Title) August 16, 1983					16.3	BBLS.	URING		
that the above the to the best to the best (Signature) (Title) (Date)					218	GAS M.C.F.	TEST	Spec	
I hereby certify that the above information is true and complete to the best of my knowledge and belief. (Signature) Agent (Title) August 16, 1983					13374	RATIO CU.FT/BBL	GAS - OIL	Special KKA	

Completion Dulprob. Dulprob. Dulprob. BBLs. OIL E	Special KXX RING TEST GAS OIL GAS RA BLS, M.C.F. CU.F
	DURING TEST OIL GAS BBLS. M.C.I

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

will be 0.60. Gas volumes must be reported in MCF measured at a pressure base of 15,025 psis and a temperature of 60° F. Specific gravity base

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Rule 301 and appropriate pool rules. Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with

> ledge and belief. is true and complete to the best of my know-I hereby certify that the above information

(Title)
24 Feb 84
(Date)

OIL CONSERVATION DIVISION DISTRICT I

OIL CONSERVATION DIV	1510N	DATE_	March 5, 1984
P. O. BOX 2088 SANTA FE, NEW NEXICO	87501	RE:	Proposed MC
The state of the s			Proposed DHC X
	· . ·		Proposed NSL
			Proposed NSP
	•		Proposed SND
			Proposed WFX ·
		l	Proposed PMX
Gentlemen:			
I have examined the a	application for the		•
			•
Morris R. Antweil		-H 8-2	
Operator	Lease and Well	No.	Unit, S - T - R
and my recommendation	as are as follows:		
and my recommendation	is are as iditows.		
0.KJ.S.			
		• .	
•			
			-
		• .	
	• • •		
Yours very truly,			•
			•
		es.	•
(Larrin Xlex)	Tim .	نسب مست	
The state of the s		1013	CHAINWIE ??
inc			AR 0.81994
-			AR U 0 1304
:	<u>-</u> ·	OIL COM	GERVATION DIVISION
		•	SANTA FE