12600 NORTHBOROUGH, #250 HOUSTON, TEXAS 77067 (713) 876-6150 FAX (713) 876-6106

OIL CONSERVATION DIVISION RECEIVED

195 AP4 3 PM 8 52

March 28, 1995

Oil Conservation Division PO Box 2088 Santa Fe, New Mexico 87504-2088

Atten: William LeMay:

RE: Down Hole Commingling

Sarah B Well #2

Unit K, Sec. 12, T-23S, R-37E

Cline Tubb (Assoc)

Cline Lower Paddock/Blinebry

Samedan Oil Corporation requests administrative approval for the down hole commingling of the above mentioned pools.

We have enclosed the following:

- 1. Area Plat showing ownership of offsetting leases.
- 2. Plat showing acreage dedicated to the well.
- 3. Listing address and a copy of the letter of notification to offset operators and the Bureau of Land Management.
- 4. Division Form C-116 showing 24-hr productivity test from each zone.
- 5. Well History and Prognostication of future production.
- 6. Estimated BHP for each artificially lifted zone.
- 7. Fluid description of each zone.
- 8. Valves of production.
- 9. Recommended formula for allocation of production.

We appreciate your consideration in this matter. If you have any questions please call.

Thank you,

Judy Mronebury

Judy Throneberry

attachments

xc: OCC - Hobbs District

BLM

eg	2436	10 × 8 3 48 13 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	H 11.031	Tr.19	THE STATE OF THE S	PWS.		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 - 1	Anodorko	(Esson) Oliverial	78	(Ameter Land 1 M. Uplon 1 M. 15.36 (Ameter Land 1 M. 1	Entropy (Cult) (Digg v.1097	Source My Drinkord Best	J.H. Herera
TES TES	78 78 78 78	2000 1000 1000 1000 1000 1000 1000 1000	1.36 Tr.21 3 Tr.36	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	A Company of Care and	GUITS!	Para Committee C	\$ 100 A
*	0001	1 e.c. 6 . 3	Anderso Anderso		Seely Oil	Attac Brew 30 Model by Attach	1 (6,19) (6,19) (6,19) (6,19)	Out Per Son America
	Section 1	R. D. Sima, etei	16 - 3 ms 10 in	5/0/e	Tw Blenche E Boyd, MJ	Amercacksillistecontrops Heb States (6.43 Harbord 1040 States (6.43 Harbord 1041 Linehery (63) 1.55-143	Tout Evelyntume bery han	
	TOTO TENECO	To filmen	Willer oxxx	9 10 10 10 10 10 10 10 10 10 10 10 10 10	25 - 17 - 17 - 18 - 18 - 18 - 18 - 18 - 18	Blaire Charan H B P Blaire Charan H B P Bright H P P. R. Pro.	25(4,55) 100 77,812 77777	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8.0.5.ms,etol	Sime of Treeson		190 57 1 5/8 24 1914 198 19. 45.2 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	51. Acc. 8. 1. 1. 8. 1. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 8. 1. 1. 8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Sir Acches name 15 miles	Chuzo Oper.
7.13	C.S. 22	LT WAR	1 Truesco 1970 1970		Millard Deck Horses For extended Party Search Androdo	(Seroh B. Hughes AREA (Samedon oper 2) HBP	A D CO Meridael Word (1987)	A 0.50 € 5.00 €
(3)		100 Smile real	57 31 31 31 31 31 31 31 31 31 31 31 31 31	6	4 1 101 2 110 110 110 110 110 110 110 110	MCCulochOlina (Variation of the Colloch Olina of t	ACCIDENTARIO SA Aches	Ton LEvelon
	O	Second And	2 . F. 838 132 .	02000	A HAPTER DAI STORE OF THE CONTROL OF	Ann Morris (Soren B.) Philips J. N. Morris Ball Supply of the Soren Bank	Marus Expt. SMG 2000	Series Narath
2		1 EXAMPLE 191	10PER.) 7 (272504 35 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Pour Rulede Flot Share Proposed Propose	Tierra Totaco Come Totaco Con Come Totaco Con Come Totaco Con Conce Totaco Con Conce Totaco Con Conce Totaco Conce Totaco Conce Totaco Conce Totaco Conce Totaco Conce Totaco Conce Totaco Conce Totaco Conce Tota	ODE A Brack Control of the Control o	
18		Semedia	Seminal S	, o,	Cury Resources Off post	112(Somedon (1)	Marathar 5 M	Transfer Control
Tr. 17 B	Micro		Test Cress Control	:: ::	from the forth and the forth	Phillips Sorah Chicks 1846	And the state of t	一年がある。
A H	771X B-4	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Spire of 15 conder	: :	Man Alban	ignoco (Selection)	Abo Disc 1	\$\frac{2}{2}\frac{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac{2}{2}\frac
2 8	100 TO 10	1. 2. J.	ST 0.3 F	£ 20	(Conoco, etal)	0.00 PM 9 PC 52 PM 9 P	Marathan Marus Eapl.	
1 (1 (1)))))))))))))))	TANGE TO SERVICE TO SE	Services Conservices Conservic	operine Conoco, et al.		F 328 ()	: ::	3.5	Merethen 4 4 51296
(m)			10.5. N. 10.		Tom & Evelyn Linebery Fan, 5)	7cm & Evelyn Lineberg For (S)	In EEvelyn Linebery Fan. (3)	Tom Efreign Lin

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico

Energy, Minerals and Natural Resources Department AMEDAN CORP

OIL CONSERVATION DIVISION

RECEIVED

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MAR 8 1993

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT MIDLAND OFFICE

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

All Distances must be from the outer boundaries of the section

Operator	SAMEDAN OIL C	CORPORATION	Lease	SARAH	"B"	Well No.	2
Unit Letter	Section	Township	Range			County	
K	12	23 SOUTH	_	37 EAST	NMPM	LEA	
Actual Footage L	ocation of Well:	<u>_</u>				<u> </u>	·
2310 r	eet from the SC	OUTH line and	1653		feet from	the WEST line	
Ground Level Ele	ev. Producing F	ormation	Pool			Dedicated	Acreage:
3300.8	<u>Cline</u>		Lower P	addock/Bli	nebry	40	Acres
1. Outline the	acreage dedicated to	o the subject well by colored	pencil or hach	ure marks on the	e plat below.		
2. If more tha	n one lease is dedi	cated to the well, outline ea	ch and identify	the ownership th	nereof (both	as to working interest	and royalty).
	n one lease of diffe force-pooling, etc.	erent ownership is dedicated?	to the well, har	ve the interest o	f all owners	been consolidated by	communitization,
Yes	☐ No	If answer is "yes" type	of consolidation	n			
If answer is "r	no" list of owners a	and tract descriptions which	bave actually	been consolidate	d. (Use reve	rse side of	
this form nece	ssary						
		to the well unit all intere ard unit, eliminating such					forced-pooling.
otherwise) or	until a non-stand	ard unit, eliminating such	Interest, 1189 p	een approved by	, the bivisio		
						OPERATOR CER	TIFICATION
Ì	į						the the information
	1		1		- 11	contained herein is true best of my knowledge and	~
	İ		i			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oneliers
	Ì		i			Signature	7
	i					Judy Throneber	.rv U
İ	1		1			Printed Name	
	ļ.		į,			Div Prod Clerk	
	<u></u>				[Position	
	i		1		L	Samedan Oil Co	rporation
			i			Company	
	1		J			03/28/95	
	1		Í		11	Date	
	i		i				
1	i					SURVEYOR CER	TIFICATION
1	 		/ [SORVETOR CER.	IIIICATION
				 		I hereby certify that the	well location shown
1	EE 71		ı			on this plat was plotted	
	653'		1			actual surveys made by supervison, and that the	
	1 1		i			correct to the best of	
	1		1			belief.	
	i 1		i			Date Surveyed	
	i		i i			MARCH 04,	1993
L			1			Signature & Seal of	
	310.1				1	Professional Surveyor	_
	23.1		1			GARY L. JO	
	! ;		1			A AAG	NES 1
J						THEM MEN	(6)
	1		1				
1	1		Ì) both X 7972	1) DIRAD
1	i		i			Certificate Wo.	N W. WEST. 676
	i					RONAL	1 FINSON 3239
						RONAL RONAL	MATONES 7977
Ó 330 660	990 1320 1650	1980 2310 2640 2	2000 1500	1000 500	6	0 12	65

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico

Energy, Minerals and Natural Resources Department AMEDAN Collico DEP

OIL CONSERVATION DIVISION

RECEIVED

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

MAR 8 1993

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

WELL LOCATION AND ACREAGE DEDICATION PLAT MIDLAND OFFICE

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 All Distances must be from the outer boundaries of the section Lease Well No. Operator SARAH "B" 2 SAMEDAN OIL CORPORATION Range County Unit Letter Section Township 23 SOUTH 37 EAST LEA NMPM Actual Footage Location of Well: 1653 WEST 2310 SOUTH line feet from the feet from the Producing Formation Dedicated Acreage: Ground Level Elev. Tubb (Assoc) 3300.81 Cline 40 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? No If answer is "yes" type of consolidation If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the and belief neheur Sudy Throneberry Printed Name Div Prod Clerk Samedan Oil Corporation Company <u>03/28/95</u> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of -1653'actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and Date Surveyed MARCH 04, 1993 Signature & Seal of Professional Surveyor 231 GARY-L. JONES KAW WEY 676 3239

1000

500

990 1320 1650 1980 2310 2640

OFFSET OPERATORS

CHUZA OPERATING PO BOX 953 MIDLAND, TEXAS 79702 (915) 686-8985

KELTON OPERATING PO BOX 276 ANDREWS, TEXAS 79714 (915) 523-6535

NOTIFICATION:

BUREAU OF LAND MANAGEMENT PO BOX 1778\ CARLSBAD, NEW MEXICO 88221-1778

12600 NORTHBOROUGH, #250 HOUSTON, TEXAS 77067 (713) 876-6150 FAX (713) 876-6106

March 28, 1995

Chuza Operating PO Box 953 Midland, Texas 79702

RE

Down Hole Commingling

Sarah B Well #2

Unit K, Sec 12, T-23S, R-37E, Lea County

Cline Tubb (Assoc) Zone

Cline Lower Paddock/Blinebry Zone

This is to notify you as an offset operator of the Sarah B Well #1, that we are applying for administrative approval for down hole commingling of Tubb (Assoc) and Lower Paddock/Blinebry production in the above mentioned well.

If you have any questions please contact Gary Hendricks at (713) 876-6150. If you have no objections please sign and return the enclosed letter to the New Mexico Oil Conservation Commission in the self-addressed stamped envelope as soon as possible to expedite matters. Any objections must be filed with the Commission within 20 days of the date of this letter.

Thank you for your time and consideration in this matter.

Sincerely

Audy Throneberry

Division Production Clerk

Mronebury

attachments

xc: Oil Conservation Division

Santa Fe, NM

New Mexico Oil Conservation Commission PO Box 2088 Santa Fe, New Mexico 87504

ATTENTION;

MR. BILL LEMAY

RE:

DOWN HOLE COMMINGLING PERMIT

This is to advise that we have been notified of Samedan Oil Corporation's application to down hole commingle the following described well in accordance with Commission Regulations:

Unit K, Sec 12, T-23S, R-37E, Lea County, NM Sarah B Well #2 Cline Tubb (Assoc) Cline Lower Paddock/Blinebry

We, as an off-set operator, have no objection to the proposed down hole commingling of the Tubb (Assoc) and Lower Paddock/Blinebry zones.

Very truly yours,

CHUZA OPERATING PO BOX 953 MIDLAND, TEXAS 79702

BY _			 	
NAME				
INAIVIE_	 	 		
DATE				

12600 NORTHBOROUGH, #250 HOUSTON, TEXAS 77067 (713) 876-6150 FAX (713) 876-6106

March 28, 1995

Kelton Operating PO Box 276 Andrews, Texas 79714

RE

Down Hole Commingling

Sarah B Well #2

Unit K, Sec 12, T-23S, R-37E, Lea County

Cline Tubb (Assoc) Zone

Cline Lower Paddock/Blinebry Zone

This is to notify you as an offset operator of the Sarah B Well #1, that we are applying for administrative approval for down hole commingling of Tubb (Assoc) and Lower Paddock/Blinebry production in the above mentioned well.

If you have any questions please contact Gary Hendricks at (713) 876-6150. If you have no objections please sign and return the enclosed letter to the New Mexico Oil Conservation Commission in the self-addressed stamped envelope as soon as possible to expedite matters. Any objections must be filed with the Commission within 20 days of the date of this letter.

Thank you for your time and consideration in this matter.

Sincerely

Judy Throneberry

Division Production Clerk

attachments

xc: Oil Conservation Division

Santa Fe, NM

New Mexico Oil Conservation Commission PO Box 2088 Santa Fe, New Mexico 87504

ATTENTION:

MR. BILL LEMAY

RE:

DOWN HOLE COMMINGLING PERMIT

This is to advise that we have been notified of Samedan Oil Corporation's application to down hole commingle the following described well in accordance with Commission Regulations:

Unit K, Sec 12, T-23S, R-37E, Lea County, NM Sarah B Well #2 Cline Tubb (Assoc) Cline Lower Paddock/Blinebry

We,, as an off-set operator, have no objection to the proposed down hole commingling of the Tubb (Assoc) and Lower Paddock/Blinebry zones.

Very truly yours,

KELTON OPERATING COMPANY PO BOX 276 ANDREWS, TEXAS 79714

BY	 	 	
NAME	 	 	
DATE			

12600 NORTHBOROUGH, #250 HOUSTON, TEXAS 77067 (713) 876-6150 FAX (713) 876-6106

March 28, 1995

Bureau of Land Management PO Box 1778 Carlsbad, NM 88221-1778

Gentlemen:

RE: Down Hole Commingling

Sarah B Well #2

Unit K, Sec 12, T-23S, R-37E, Lea County, NM

Cline Tubb (Assoc) Zone

Cline Lower Paddock/Blinebry Zone

This is to notify you of our application for administrative approval for down hole commingling of production in the above mentioned zones for the Sarah B Well #1. I have attached a copy of the application.

Thronehury

If you have any questions please contact Gary Hendricks at (713) 876-6150.

Thank you,

Judy Throneberry

Division Production Clerk

attachments

xc: Oil Conservation Division

Santa Fe, NM

Submit 2 copies to Appropriate
District Office.
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Drawer DD, Anesia, NM 88210
DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-116 Revised 1/1/89

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

(See Rule 301, Rule 1116 & appropriate pool rules.)	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 Division. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia 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.	Instructions:		009902 Sarah B	LEASE NAME	Address 12600 Northborough,	Samedan Oil Corporation
16 & appropriate p	each well shall be pire than 25 percent. Or the increased allowable eported in MCF meas 0.60.		•	∾ .	NO. WELL	#250,	noration
<u>∞</u> 2	roducec perator of swhered and sured and and and and and and and and and an			~	С	Houston,	-
les.)	at a rais encou			12	S T	Texa	
	ite not e uraged t rized by ssure ba		·	235 3	→ ♀	Texas77067	
	exceeding the Discong the Discong the Congression of 1			37E	Σ)	7	Cli
	ng the top understand the top understand of the top understand of the top understand the understand the top understand the top understand the understand the understand the understand the understand the understand the understand the understand the understand the understand the un			03/16/95 P	DATE OF TEST		Cline Lower Paddock/Blinebry (12411)
	init all f this? and a			D P	STATUS	TYPE OF TEST - (X)	r Pac
	owable fo 25 percen temperati				SIZE	× +	ldock/E
	or the pool in t tolerance in ure of 60° F.				TBG.	Scheduled	31 inebr
Date		3 -			DAILY ALLOW: ABLE		y (1241
6	Signature Judy Throneberry, Printed name and title 03/28/95	I hereby certify that the above information complete to the best of my knowledge and belief		24	SECOH LESAL PLENETH	c	1)
	roneber and title	rtify tha		48	WATER BBLS.	Completion	0
	from	t the ab		39.2	PROD. DURING TEST R GRAV. OIL BBLS.		County Lea
	Div PROD CI 713 876-6	ove info		7	NG TEST OL BBLS.	Ş	മ
Telept	Div PROD Clerk 713 876-6150	rmation		31	GAS M.C.F.	Special X	
Telephone No.		is true and		4429	GAS - OIL RATIO CU.FT/BBL	XX	

P.O. Drawer DD, Artesia, NM 88210 P.O. Box 1980, Hobbs, NM 88240 Submit 2 copies to Appropriate 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT III DISTRICT District Office.

State of New Mexico Energy, Minerals and Natural Resources Department

Revised 1/1/89 Form C-116

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088

GAS - OIL RATIO TEST

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 Division. Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.	Instructions:	009902 Sarah B	LEASE NAME		Address 12600 Northborouth, #250,	Operator Samedan Oil Corporation
allowab	हैं 	2	ŏ	WELL	1	(020153)
perator les whe isured a	vodino e	~	С		Houston,	153)
is encon author a pre-	1 1	12	σ	LOCATION	Texas	
wraged by ssure b	3	238	-	Š	s 77067	
to take y the D ase of		37E	20)67	12
advantage of ivision. 15.025 psia		03/15/95	TEST	DATE OF		12440 Cline Tubb (Assoc)
f this and a		ті	STAT	rus	TYPE OF TEST - (X)	Tut
owable fo 25 percent temperati		22/64	SIZE	CE SA	Σ π	b (Ass
t tolerance in trolerance in trolerance in the pool in trolerance in the trolerance		100	PRESS.	ਜ਼ ਨ	Scheduled	oc)
יט טו	===		ALLOW-	DAILY		
Signature Judy Throneber Printed name and title	I hereby certify that the above information is complete to the best of my knowledge and belief.	24	HOURS	E SA	Ω	
oneber and title	rtify that	4	WATER BBLS.	Ad	Completion	- C
ry, Di	the ab	39.2	GRAV.	PROD. DURING TEST		County L
Div Proc	above information is knowledge and belief.	4	OL BBLS.	NG TEST	$\boldsymbol{\varphi}$	Lea
uction	rmation nd belief	100	GAS M.C.F.		Spocial X	
ignature Judy Throneberry, Div Production Clerk rinted name and title	is true and	25,000	RATIO CU.FT/BBL.	GAS - OIL	XX	
	_					

(See Rule 301, Rule 1116 & appropriate pool rules.)

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

03/28/95 Date

713 876-6150

Telephone No.

Application to Downhole Commingle Samedan Oil Corporation Sarah B #2 Unit letter K, Section 12, T-23-S, R-37-E. Lea County, New Mexico

5. WELL HISTORY See Well Configuration Sketches.

PROGNOSTICATION OF FUTURE PRODUCTION

Production decline rates for both zones Tubb and Lower Paddock/Blinebry can be assumed to be similar. Estimated monthly production for the next 12 months is submitted below based on latest production rates declined 50% annually. These declines were derived from analysis of the production history of the Sarah B #2 and other Samedan operated producing wells in the Cline Pools.

12 MONTH FUTURE ESTIMATE OF PRODUCTION

		TUBB		LOWER PADDOCK/BLINEBRY
	OIL	WATER	GAS	OIL WATER GAS
First	120	120	3500	200 1200 1200
Second	113	113	3303	189 1133 1133
Third	107	107	3118	178 1069 1069
Fourth	101	101	2943	168 1009 1009
Fifth	95	95	2778	158 952 952
Sixth	90	90	2622	150 899 899
Seventh	85	85	2475	141 849 849
Eighth	80	80	2336	133 801 801
Ninth	76	76	2205	126 756 756
Tenth	71	71	2081	119 714 714
Eleventh	67	67	1964	112 673 673
Twelfth	64	64	1854	106 636 636

ESTIMATED COMBINED PRODUCTION

	OIL	WATER	GAS
First	320	1320	4700
Second	302	1246	4436
Third	285	1176	4187
Fourth	269	1110	3952
Fifth	253	1047	3730
Sixth	240	989	3521
Seventh	226	934	3324
Eighth	213	881	3137
Ninth	202	832	2961
Tenth	190	785	2795
Eleventh	179	740	2637
Twelfth	170	700	2490

Application to Downhole Commingle Samedan Oil Corporation Sarah B #2 Unit letter K, Section 12, T-23-S, R-37-E. Lea County, New Mexico

6. ESTIMATED BHP FOR EACH ARTIFICIALLY LIFTED ZONE

The wellbore will produce from the Tubb and Lower Paddock/Blinebry zones. The Tubb zone currently flows, however the tubing pressure has declined from over 1000 psi to approximately 100 psi. The Lower Paddock/Blinebry zone is currently artificially lifted. Commingled production from both producing zones will be artificially lifted. Measured BHP data for this well is not available. However, based on production rates and the fact that both zones will require artificial lift, it is estimated that each zone will be relatively close to the same BHP. Cross flow will not occur due to the fact that production will be artificially lifted and no differential pressure will exist.

7. FLUID DESCRIPTION OF EACH ZONE

Tubb Zone: Crude Oil, 33.8° API @ 60° F.

Produced water: SG = 1.055 @ 80°F, TDS - 10106 PPM

Total hardness = 19810 PPM

Lower Paddock/Blinebry zone: Crude Oil, 40° API @ 60°F. Produced water: SG = 1.102 @ 60°F, TDS = 122744 PPM

Total Hardness = 24545 PPM

Permission to surface commingle production from the Cline Tubb and Cline Lower Paddock/Blinebry Pools has been previously approved by the NMOCD for the Sarah B #2 Well under order PC-847. No adverse affects have occurred due to surface commingling. It is anticipated that fluid characteristics will not significantly change at the BHP or temperatures and no adverse conditions would be created by down hole commingling.

8. FOR VALUES OF PRODUCTION

Samedan owns 100% of the Sarah B Lease. The oil produced from the Tubb Pool and Lower Paddock/Blinebry Pool in the Sarah B #1 and B #2 is currently commingled. No reduction in valve was realized by downhole commingling the Sarah B #1 and no reduction is anticipated for the Sarah B #2.

9. FORMULA FOR ALLOCATION OF PRODUCTION

Production was allocated based on the projected production for the two reservoirs. This allocation is shown below:

	<u>OIL</u>	<u>GAS</u>	<u>WTR</u>
Lower Paddock/Blinebry	62.5%	25.5%	90.9%
Tubb	37.5%	74.5%	9.1%

Samedan Oil Corporation Sarah B #2 Summary of Production Cline Blinebry and Tubb Pools

	l	Tubb			Blinebry	
Month/Yr	ворм	MCFPM	BWPM	BOPM	MCFPM	BWPM
Aug-93	539	1,534	0	0	0	0
Sep-93	72	771	62	255	834	335
Oct-93	447	6,230	73	1,275	5,496	489
Nov-93	195	5,800	115	1,001	6,090	277
Dec-93	93	6,419	113	917	6,404	242
Jan-94	184	8,122	69	845	4,362	244
Feb-94	106	6,288	48	901	2,418	157
Mar-94	113	6,604	52	612	2,585	225
Apr-94	50	3,731	21	12	36	1,026
May-94	108	6,519	79	416	1,237	772
Jun-94	94	12,627	148	312	1,574	1,677
Jul-94	146	11,705	211	420	1,949	1,532
Aug-94	139	11,065	182	365	1,878	1,552
Sep-94	129	9,654	146	366	1,783	1,309
Oct-94	126	8,131	141	330	1,785	1,545
Nov-94	123	7,945	155	292	1,808	1,269
Dec-94	120	6,718	127	315	1,771	1,271
Jan-95	119	5,315	133	214	1,200	1,050
Feb-95	111	3,843	122	193	1,283	1,404
Totals	3,014	129,021	1,997	9,041	44,493	16,376

Samedan Oil Corporation

Current Producing Configuration

Laa, New Mexico Country, State Location 3302 GL Elevation 13 3/8" 48# H-40 casing at 925'. Cemented with 560 sacks Class C with 4% gel and 2% Cac(12, Tail in with 200 sacks Class Cas(2, Tail in tail in with 200 sacks Class Cas(2, Tail in tail in with 200 sacks Class Cas(2, Tail in tail in with 200 sacks Class Cas(2, Tail in tail in with 200 sacks Class Cas(2, Tail in tail in tail in tail in tail in tail in tail in tail in with 200 tail in tail in with 200 tail in tail in with 200 tail in tail in with 200 tail in tail in with 200 tail in tail in tail in tail in tail in with 200 tail in tail in with 200 tail in	Sarah B #2		2310' FSL and 1803' FWL
County, State	Well Name		Section 12, T-23-S, R-37-E
Elevation			
Ta 3/8" 49# H-40 casing at 925'.			
13 3/8* 48# H-40 casing at 925: Cementad with 560 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 150 gals 15% NEFI HCL and 50 balls at 3 BPM at 300 psi. 100 psi increase due to balls from 3617'. 77.78" hole drilled from surface casing to 3617'. 77.78" hole drilled from surface casing to 3617'. 77.78" hole drilled from 3617' to TD. Apr-94 Isolate Tubb and Blinebry. Perforate the Paddock as follows Perforate the Paddock as follows Perforate the Paddock as follows Paddock as follows Perforate the Paddock as follows Pump 10000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 3000 gals with 2 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 4000 gals with 6 ppg Pump 4000 gals with 6 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppd Fisch with 400 fram Rate 25-30 BPM at 2300 psi Pump 5000 gals with 5 ppg Pu	County, State		Elevation
13 3/8* 48# H-40 casing at 925: Cementad with 560 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 4% get and 2% CaC/2. Tail in with 200 sacks Class C with 150 gals 15% NEFI HCL and 50 balls at 3 BPM at 300 psi. 100 psi increase due to balls from 3617'. 77.78" hole drilled from surface casing to 3617'. 77.78" hole drilled from surface casing to 3617'. 77.78" hole drilled from 3617' to TD. Apr-94 Isolate Tubb and Blinebry. Perforate the Paddock as follows Perforate the Paddock as follows Perforate the Paddock as follows Paddock as follows Perforate the Paddock as follows Pump 10000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 3000 gals with 2 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 4000 gals with 6 ppg Pump 4000 gals with 6 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 5 ppd Fisch with 400 fram Rate 25-30 BPM at 2300 psi Pump 5000 gals with 5 ppg Pu			
13 3/8* 48# H-40 casing at 925. Cemented with 560 sacks class C with 4% get and 2% CaCl2. Tail in with 200 sacks Class C with 4% get and 2% CaCl2. Tail in with 200 sacks Class C with 4% get and 2% CaCl2. Tail in with 200 sacks Class C with 150 gals 15% NEFI HCL and 50 balls at 3 BPM at 300 psi. 100 psi increase due to balls from 3617'. 7 7/8" hole drilled from surface casing to 3617'. 7 7/8" hole drilled from 3617'. To 7/8" hole drilled from 3617' to TD. Apr-94 Isolate Tubb and Blinebry. Perforate the Paddock as follows 5456-58 (5 holes), 5493-98 (7 holes), 5559-30 (6 holes) 5456-58 (5 holes), 5493-98 (7 holes), 5550-40 (8 holes), 5559-30 (8 holes) 5504-08 (9 holes), 5529-30 (6 holes) 5604-08 (9 holes), 5529-30 (6 holes) Frac with 2000 gals 15% NEFE HCL and 67 balls at 3.8 BPM at 3050 psi. Balled out			
13 3.8° 48# H-40 casing at 925°. Cemented with 560 sacks class C with 2% Cacl2. Tail in with 200 sacks class C with 2% Cacl2. Tail in with 200 sacks class C with 2% Cacl2. Tail in with 200 sacks class C with 2% Cacl2. Circ 250 sacks Note: 11° hole drilled from surface casing to 3617′. 7 7/8° hole drilled from 3617′ to TD. Apr-94 Isolate Tubb and Blinebry. Perforate the Paddock as follows 5456-58 (5 holes), 5479-81 (5 holes), 5528-30 (5 holes), 5528-30 (5 holes) F560-08 (9 holes), 5528-30 (5 holes) F560-08 (9 holes), 5528-30 (5 holes) F6843-86 (5 holes), 5493-81 (5 holes), 5528-30 (5 holes) F7ac with 22,444 gals gel with 58,000# 20/40 CRs and at 20 BPM and 1400 psi. Frac with 22,444 gals gel with 58,000# 20/40 CRs and at 20 BPM and 1400 psi. Fump test well and well produced 0 BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 150 sacks Class C with 150 sacks Class C with 16% gel, 5# sailt, 1/4# flocate and 5# sand/sk Sqz to 3300 psi. Dill out and test squeezed perfs to 1000 psi. Sacks Class C lass C lass C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. Tail in with 250 sacks Class C with 15% gel, 5# said, 1/4# flocate and 0.4% CFR3. T			6130-32 (3 holes), 6134-38 (5 holes),
Camented with 580 sacks Class C with 4% gel and 2% CaCl2. Tail in with 20 sacks Class C with 12% Gacl2. Circ 250 sacks 6184-90 (7 he total 35 holes 100 pas increase due to balls	13 3/8" 48# H-40 casing at 925'		
With 4% get and 2% Cac/12. Tall in with 200 sacks Class C with 2% Cac/12. Circ 250 sacks			
Total 35 holes			
Caci2. Circ 250 sacks Acidize with 1500 gals 15% NEFI HCL and 50 balls at 3 BPM at 300 psi. 100 psi increase due to balls Well kicked off flowing. SI well to tie in pipeline Frac well with 29000 gals 400 for and 77,000# 20/40 sand as follow Pump 10000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 6 ppg Pump 5000 gals with 150 gals sign 5 ppd Pump 5000 gals with 6 ppg Pump 5000 gals with 6 ppg Pump 5000 gals with 6 ppg Pump 5000 gals with 150 gals 5 ppd Pump 5000 gals with 150 gals 5 ppd Pump 5000 gals with 150 gals 5 ppd Pump 5000 gals with 6 ppg Pump 5000 gals with			
Note: 11" hole drilled from surface casing to 3617". 77/8" hole drilled from 3617" to TD. Apr-94 Isolate Tubb and Blinebry. Apr-94 Isolate Tubb and Blinebry pumping well and a Tubb Flowing well. Baker Lokset packer now set at 6078'. Apr-94 Isolate Tubb and Blinebry pumping well and a Tubb Flowing well. Baker Lokset packer now set at 6078'. Apr-94 Isolate Tubb Apr-94 Isolate			Total 35 holes
Note: 11" hole drilled from surface casing to 3617'. 7 7/8" hole drilled from 3817' to TD.	CaCl2. Circ 250 sacks		
Note: 11" hole drilled from surface casing to 3617'. 778" hole drilled from 3817' to TD. Apr-94 Isolate Tubb and Blinebry. Apr-94 Isolate Tubb and Blinebry and to Tubb Flowing with 1 pog Purmp 10000 gals with 1 pog Purmp 2000 gals with 1 pog Purmp 2000 gals with 3 pog Purmp 3000 gals with 3 pog Purmp 3000 gals with 4 ppg Purmp 3000 gals with 4 ppg Purmp 3000 gals with 6 ppg Purmp 4000 gals with			
Note: 11" hole drilled from surface casing to 3617. 7 7/8" hole drilled from 3617' to TD. Apr-94 Isolate Tubb and Blinebry. Perforate the Paddock as follows 5456-58 (5 holes), 5479-81 (5 holes), 5439-86 (7 holes), 5439-86 (7 holes), 5504-08 (9 holes), 5528-30 (5 holes) Acidize with 2000 gals 15% NEFE HCL and 67 balls at 3.8 BPM at 3050 psi. Balled out Parmy 2004 gals with 2 ppg Pump 3000 gals with 2 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 5 ppg Pump 4000 gals with 5 ppg Pump 4000 gals with 5 ppg Pump 5000 gals with 6 ppg Pump 5000 gals with 5 ppg Pump 4000 gals with 5 ppg Pump 5000 gals with 6 ppg			
tie in pipeline tie in pipeline tie in pipeline tie in pipeline frac well with 29000 gals 400 for and 77,000# 20/40 sand as follow Pump 10000 gals with 1 ppg 5483-85 (5 holes), 5497-81 (5 holes), 5583-96 (7 holes), 5504-08 (9 holes), 5528-30 (5 holes) Acidize with 2000 gals 15% NEFE HCL and 67 balls at 3.8 BPM at 3050 psi. Balled out Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS sand at 20 BPM and 1400 psi. Pump test well and well produced O BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. Xx xx xx xx Xx Xx xx xx Xx Xx xx xx xx xx xx xx xx xx xx xx xx x			psi. 100 psi increase due to balls
tie in pipeline tie in pipeline tie in pipeline tie in pipeline frac well with 29000 gals 400 for and 77,000# 20/40 sand as follow Pump 10000 gals with 1 ppg and 77,000# 20/40 sand as follow Pump 10000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 2 ppg Pump 2000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 58, Balled out Frac with 22,444 gals gel with 58,000# 20/40 CRS sand at 20 BPM and 14,000 psi. Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS sand at 20 BPM and 1400 psi. Frac with 10,3% Halad 9 tailing in with 150 sacks Class C with 10,3% Halad 9 tailing in with 150 sacks Class C with 150 gals and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX XX			
Frac well with 29000 gals 400 for and 77,000# 20/40 sand as follows	Note: 11" hole drilled from surface		Well kicked off flowing. SI well to
Frac well with 29000 gals 400 for and 77,000# 20/40 sand as follows	casing to 3617'. 7 7/8" hole drilled	_	tie in pipeline
Frac well with 29000 gals x000 for and 77,000# 20/40 sand as follows			
Frac with 2000 gals 400 fo and 77,000# 20/40 sand as follows			Sep-93
Isolate Tubb and Blinebry. Perforate the Paddock as follows 5456-58 (5 holes), 5479-81 (5 holes), 5483-85 (5 holes), 5439-98 (7 holes), 5504-08 (9 holes), 5528-30 (5 holes) Acidize with 2000 gals vith 2 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 5 ppg Pump 3000 gals with 5 ppg Pump 9000 gals with 4 ppg Pump 3000 gals with 5 ppg Pump 4000 gals with 4 ppg Pump 4000 gals with 5 ppg Pump 5000 gals with 6 ppg Pump 5000 gals with 1 ppg Pump 3000 gals with 6 ppg Pump 3000 gals with 7 ppg Pump 4000 gals with 6 ppg Pump 5000 gals with 1 ppg Pump 4000 gals with 6 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 5000 gals with 9 ppg Pump 4000 gals with 1 ppg Pump 4000 gals with 1 ppg Pump 4000 gals with 1 ppg Pump 4000 gals with 9 ppg Pump 4000 gals with 9 ppg Pump 4000 gals with 4 ppg Pump 4000 gals wit	Apr-94		
Perforate the Paddock as follows 5456-58 (5 holes), 5479-81 (5 holes), 5504-08 (9 holes), 5528-30 (5 holes) Acidize with 2000 gals 15% NEFE HCL and 67 balls at 3.8 BPM at 3050 psi. Ballad out Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS aand at 20 BPM and 1400 psi. Pump test well and well produced 0 BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Piril out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and at Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX XX			
Pump 2000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 1 ppg Pump 2000 gals with 2 ppg Pump 2000 gals with 3 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 4 ppg Pump 3000 gals with 6 ppg Pump 3000 gals with 6 ppg Pump 4000 gals with 6 ppg]]]]	
Pump 2000 gals with 2 ppg			
Pump 3000 gals with 3 ppg Pump 3000 gals with 3 ppg Pump 3000 gals with 4 ppg Pump 4000 gals with 5 ppg Pump 4000 gals with 5 ppg Pump 5000 gals with 5 ppg Pump 5000 gals with 6 ppg			
Pump 3000 gals with 4 ppg Pump 4000 gals with 5 ppg Pump 4000 gals with 5 ppg Pump 4000 gals with 6 ppg Pump 4000 gals with 5 ppg Pump 4000 gals with 6 ppg			
Acidize with 2000 gals 15% NEFE HCL and 67 balls at 3.8 BPM at 3050 psi. Balled out Frac with 22,444 gals gel with 58,000# 20/40 CRS sand at 20 BPM and 1400 psi. Pump test well and well produced 0 B0, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1.50 sacks Clos C with 1.50 sacks Class C with 1.50 sacks Closs C with 1.50 sacks Class C wi	5504-08 (9 noies), 5528-30 (5 noies)		
HCL and 67 balls at 3.8 BPM at 3050 psi. Balled out Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS sand at 20 BPM and 1400 psi. Pump test well and well produced 0 BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Beran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX			
psi. Balled out Flush with 40Q foam Rate 25-30 BPM at 2300 psi Clean out sand to PBTD of 6205'. Set Lokset packer with 1.50" prof at 6081' 5456 Perforate the Blinebry as follows: 5642-46 (5 holes), 5654-56 (3 holes), 5664-57 (1 holes), 5664-56 (3 holes), 5664-7 (100 psi. Sacks Class C with 0.3% Halad 9 tailling in with 150 sacks Class C with 0.3% Halad 9 tailling in with 150 sacks Class C with 0.3% Halad 9 tailling in with 150 sacks Class C with 0.0 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX XX XX			
Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS sand at 20 BPM and 1400 psi. Pump test well and well produced 0 BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sque to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX XX XX XX			
Frac with 22,444 gals gel with 58,000# 20/40 Ottawa and 16,000# 20/40 CRS sand at 20 BPM and 1400 psi. Pump test well and well produced 0 BO, 106 BW and 0 MCF Sacks Class C with 0.3% Halad 9 tailling in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX xx xx xx XX XX XX XX XX XX X	psi. Balled out		
Clean out sand to PBTD of 6205' Set Lokset packer with 1.50" professor at 6081' Set 228 pumping unit and to 100 professor at 6081' Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			Rate 25-30 BPM at 2300 psi
20/40 CRS sand at 20 BPM and 1400 psi. Set Lokset packer with 1.50" proi at 6081' 5456 Perforate the Blinebry as follows: 5642-46 (5 holes), 5654-56 (3 holes), 5658-60 (3 holes), 5662-71 (10 holes) 5676-81 (6 holes) 5682-71 (10 holes) 5682-71 (10 holes)			
## Table 1			Clean out sand to PBTD of 6205'.
Pump test well and well produced 0 BO, 106 BW and 0 MCF Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX	20/40 CRS sand at 20 BPM and		Set Lokset packer with 1.50" profile
Squeeze Upper Paddock with 150	1400 psi.		at 6081'
Squeeze Upper Paddock with 150			
Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX	Pump test well and well produced		5456 Perforate the Blinebry as follows:
Squeeze Upper Paddock with 150 sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX	0 BO, 106 BW and 0 MCF		xx 5642-46 (5 holes), 5654-56 (3 holes),
sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX X			xx 5658-60 (3 holes), 5662-71 (10 holes),
sacks Class C with 0.3% Halad 9 tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX To an in the first of	Squeeze Upper Paddock with 150		xx 5676-81 (6 holes) Total 27 holes
tailing in with 150 sacks Class C with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX XX XX	sacks Class C with 0.3% Halad 9		
with 1% CaCl2 and 5# sand/sk Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX Clean out well to packer. TIH with 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16	tailing in with 150 sacks Class C		
Sqz to 3300 psi. Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX XX XX XX XX XX XX	with 1% CaCl2 and 5# sand/sk		
Drill out and test squeezed perfs to 1000 psi. Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX Clean out well to packer. TIH with 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer			
Toc svy, Toc at 1100' Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. Set 228 pumping unit and ran roda and pump in Blinebry no and pump in Blinebry no and a f8620# 20/40 can and 15,000# 20/40 cRS sand at 25 BPM and 1700 psi. Sand concentration ramped from 1-6 ppg. Clean out well to packer. TiH wit 2 1/16" 10 RD IJ tubing and on/o tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool and Cline Blinebry. Blinebry no and pump in Blinebry. Blinebry no			poil buil out to 4000 psi
Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. Sample of the production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. Sample of the production equipment and ramped from 1-6 ppg. Clean out well to packer. TiH with 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and 6130 at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' TOC svy, TOC at 1100' Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			5642 Frac with 33000 gale 400 form and
Reran production equipment and return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX			
return well to dual operation as a Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. XX XX XX XX Clean out well to packer. TIH with the packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and of 130 at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool Sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100'	Reran production equipment and		
Blinebry pumping well and a Tubb flowing well. Baker Lokset packer now set at 6078'. Clean out well to packer. TIH with 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and 6130 at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Sacks 50/50 Poz with 3#/sk KCL, O.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' Tamped from 1-6 ppg. Tamped from 1-6 ppg.			
flowing well. Baker Lokset packer now set at 6078'. Clean out well to packer. TIH with 2 1/16" 10 RD IJ tubing and on/or tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			
now set at 6078'. Clean out well to packer. TIH with 2 1/16" 10 RD IJ tubing and on/o tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and on/o tool. Engage packer at 6081' Ran 2 1/16" 10 RD IJ tubing and at 5613'. Pulled plug out of packer and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool of 190 Sacks 50/50 Poz with 3#/sk KCL, O.4% Halad 9. Did not circ. Ran Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			1 3001 Tamped from 1-6 ppg.
xx xx xx xx xx xx xx xx xx xx xx xx xx			
xx xx xx xx xx xx xx xx xx xx xx xx xx	now set at 00/6.		
Ran 2 1/16" 10 RD IJ tubing and at 5613'. Pulled plug out of packed and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Sacks 50/50 Poz with 3#/sk KCL, O.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' Ran 2 1/16" 10 RD IJ tubing and at 5613'. Pulled plug out of packed and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			
5 1/2" 17# J-55 casing at 6250'. Cemented with 900 sacks Class C with 16% gel, 5# salt, 1/4# flocele and 0.4% CFR3. Tail in with 250 sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' at 5613'. Pulled plug out of pack and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Set 228 pumping unit and ran rods and pump in Blinebry. Blinebry no		XX XX XX	
5 1/2" 17# J-55 casing at 6250'. Cemented with 900 sacks Class C with 16% gel, 5# salt, 1/4# flocele and 0.4% CFR3. Tail in with 250 sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' and completed well as a dual producer in the Cline Tubb Pool and Cline Blinebry Pool 6190 Set 228 pumping unit and ran rods and pump in Blinebry. Blinebry no			
Cemented with 900 sacks Class C with 16% gel, 5# salt, 1/4# flocele and 0.4% CFR3. Tail in with 250 sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100' TOC svy, TOC at 1100'	E 1/0# 17# 155		
with 16% gel, 5# salt, 1/4# flocele and 0.4% CFR3. Tail in with 250 sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' and Cline Blinebry Pool 6190 Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			
and 0.4% CFR3. Tail in with 250 sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' o 6190 Set 228 pumping unit and ran rods and pump in Blinebry. Blinebry no			
sacks 50/50 Poz with 3#/sk KCL, 0.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			
O.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			o 6190
O.4% Halad 9. Did not circ. Ran TOC svy, TOC at 1100' Set 228 pumping unit and ran rode and pump in Blinebry. Blinebry no			Oct-94
TOC svy, TOC at 1100' and pump in Blinebry. Blinebry no			
	TOC svy, TOC at 1100'		

Samedan Oil Corporation

Configuration after Commingling

Sarah B #2					2310' FSL and 1803' FWL
Well Name					Section 12, T-23-S, R-37-E
vven tvante					Location
I N. Alleria					3302 GL
Lea, New Mexico					
County, State					Elevation
	1 1	1 1		ı	11.02
	1 1				Jul-93 Perforate the Tubb as follows:
	1 1	1 1			
					6130-32 (3 holes), 6134-38 (5 holes),
13 3/8" 48# H-40 casing at 925'.					6140-43 (4 holes), 6150-52 (3 holes),
Cemented with 560 sacks Class C		1 1			6160-62 (3 holes), 6164-68 (5 holes),
with 4% gel and 2% CaCl2. Tail in	11	1 1	1		6171-75 (5 holes), 6184-90 (7 holes)
with 200 sacks Class C with 2%	1 1				Total 35 holes
CaCl2. Circ 250 sacks		1 1			
]]		١,		Acidize with 1500 gals 15% NEFE
	1 1				HCL and 50 balls at 3 BPM at 3000
			i		psi. 100 psi increase due to balls
Note: 11" hole drilled from surface	11	1 1	1		Well kicked off flowing. SI well to
casing to 3617'. 7 7/8" hole drilled			'		tie in pipeline
from 3617' to TD.		l i	1		tio iii pipoiiiio
1011 3017 10 15.	ı	1 1	Ì		San_03
Apr-94	1	11	1		Sep-93
					Frac well with 29000 gals 400 foam
Isolate Tubb and Blinebry.			Į.		and 77,000# 20/40 sand as follows:
Perforate the Paddock as follows		1 1	1		Pump 10000 gals pad
5456-58 (5 holes), 5479-81 (5 holes),			ĺ		Pump 2000 gals with 1 ppg
5483-85 (5 holes), 5493-96 (7 holes),		1			Pump 2000 gals with 2 ppg
5504-08 (9 holes), 5528-30 (5 holes)		1 1			Pump 3000 gals with 3 ppg
	ļ	1 1	1		Pump 3000 gals with 4 ppg
Acidize with 2000 gals 15% NEFE			1		Pump 4000 gals with 5 ppg
HCL and 67 balls at 3.8 BPM at 3050			1		Pump 5000 gals with 6 ppg
psi. Balled out					Flush with 40Q foam
	ł	1 1	ł		Rate 25-30 BPM at 2300 psi
Frac with 22,444 gals gel with					
58,000# 20/40 Ottawa and 16,000#					Clean out sand to PBTD of 6205'.
20/40 CRS sand at 20 BPM and					Set Lokset packer with 1.50" profile
1400 psi.	- 1	1 1	ĺ		at 6081'
1400 рай.		1 1			at 0001
Pump test well and well produced		11		5456	Perforate the Blinebry as follows:
O BO, 106 BW and O MCF		1 1	xx	0400	5642-46 (5 holes), 5654-56 (3 holes),
O BO, TOO BW and O Mer			1 1		
Squeeze Upper Paddock with 150	ľ		XX		5658-60 (3 holes), 5662-71 (10 holes),
	ł		xx	FFOO	5676-81 (6 holes) Total 27 holes
sacks Class C with 0.3% Halad 9	ł	1 1	XX	5530	
tailing in with 150 sacks Class C		H			Acidize with 1750 gals 15% NEFE
with 1% CaCl2 and 5# sand/sk	l				HCL and 60 balls at 4.5 BPM at 2600
Sqz to 3300 psi.	1				psi. Ball out to 4000 psi
Drill out and test squeezed perfs to	ĺ	11	1		
1000 psi.	. 1		\vdash	5642	Frac with 33000 gals 400 foam and
		1 !	0		68620# 20/40 sand and 15,000#
Reran production equipment and	J]]	0		20/40 CRS sand at 25 BPM and
return well to dual operation as a		1 1	0		1700 psi. Sand concentration
Blinebry pumping well and a Tubb		1 1	0	5681	ramped from 1-6 ppg.
flowing well. Baker Lokset packer		1 1			
now set at 6078'.	ł	1 1	ł		Clean out well to packer. TiH with
		1 1			2 1/16" 10 RD IJ tubing and on/off
		1 1			tool. Engage packer at 6081'
					Ran 2 1/16" 10 RD IJ tubing and set
	l	1 1	ĺ	6120	at 5613'. Pulled plug out of packer
5 1/2" 17# J-55 casing at 6250'.	ļ			5130	
Cemented with 900 sacks Class C	1		C		and completed well as a dual
with 16% gel, 5# salt, 1/4# flocele			°		producer in the Cline Tubb Pool
	1		0	04.55	and Cline Blinebry Pool
and 0.4% CFR3. Tail in with 250			$^{\circ}$	6190	
sacks 50/50 Poz with 3#/sk KCL,	ł		1		Oct-94
0.4% Halad 9. Did not circ. Ran	- 1		1		Set 228 pumping unit and ran rods
TOC svy, TOC at 1100'			1		and pump in Blinebry. Blinebry now
			<u></u>		pumping and Tubb flowing.