THE CONSERVE DUN DIVISION RECEIVED

January 11, 1994

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

Attn: William LeMay:

RE: Down hole Commingling Sarah B Well #1 Unit P, Sec 11, T-23-S, R-37-E Cline - Tubb 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) Names and addresses of offsetting operators and a copy of the letter notify them and the United States Bureau of Land Management of our intention.
- 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) Values 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, Throneberry

attachments

xc: OCC - Hobbs District BLM - Carlsbad, NM

2 × -	S TELEDERSTMOS LEAMMENT	H .11. 11. 2	And And	The second secon	Sime	In Million Medrinal	Triple Tom E way when
39	1 65.31 1 900000	(Exaon))//H	A THAT P STATI	6 Stor (Magneria) 1 M Upson 14 15 16 15 96 5 Stor) (Magneria) 1 P3 Agna 15	Entropy (CUIN 472 V-1097	Cherrent Cherrent Cherrent	J.H. Hendrad (6 ² S 0 1 - 5 <i>A</i> rneor 54
	Trazzer 1 1 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	د//Tr.21 ه	Tr. 36	ZA (DARZA) (CEEL) EA ZA (DARZA) (CEEL) EA A (CEEL) (CEEL) (CEEL) (CEEL) (CEEL) (CEEL)	GUISS CONT CONT CONT CONT CONT CONT CONT CONT		
130			Anodorko A osta	Trift to the second sec	ATTAC 14000 20160100 6 20 HBP 16 600 00 00 00 00 00 HBP 16 600 00 00 00 00 00 E 6143 5000 00 00 00 00 00 00 00	Contraction of the second seco	OryPer PanAmeri XX(we)JH YT I (Luci) Hundix IY D
24	La Company (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		1.37 10 100 10mbt-Stote	A Pite Seet Floor	Ameradossellistecondrefs	Tomk (velyncherberg for 111	Bry 200 1877 And 51 16 PLACE AND 187 AND 10 10 PLACE AND 187 AND 10 PLACE AND 10 P
		Texoco		Search Jan Ser J. S. Holon () Search	Rede aller Jank 19414	Chevron of a Dual 1 Hy West	Contract of the contract of th
2	Tr 9 Straus Tr 9 Straus Strain Stra		24 (1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	See 10 15 4 19 01 5 4 10 10 10 10 10 10 10 10 10 10 10 10 10		•	+ u
• <u>.</u>	1 Sumedory			Millord Dec. Control Manerada eroi S/R Horas Manerada Entrol Scareh Amerada	Sarah B. Hughas HARCO (Sarah B. Hughas HARCO (Sarahan oper J Har H.B.P.	A R CO MERICIANINUNG INITAL	10 10 10 10 10 10 10 10 10 10 10 10 10 1
(3)	Transie and the second	ACCE ANUNIT	5/ms - F		Mc Culloch Oliffra Vares	Culièch Landour LA R.C. S.K. Aeches Landour LA R.C. S.K. Aeches C. S. M. C. S.	Tunić Evelori Insti
	Les Treed	E LIE	Texaco	A.V. 1646 (J. N. Mucris) A. W. 76m Billshand Billshand D. 1858 TEFFO In Silon	Arr Morris (South B.) Philips UN Morris Bill Suber chill South B.) HBP Bill Suber chill South on 2244	Maxus Expl. SMG more	Sw Marathon Srad 1 1-95 Staid 1 61374
้ร 🖻	TEXAC	0 (OPER.)	"Sime	Pou Ruilede Flot Shore	Trierto Chuse Pet Tattor Chuse Pet Lause - Cana Marinardaon, e ro	Vertication Service October Service October Service October Service October Service October Oc	Mer. Her.
				. ~	Sector virme (3) 12	Morathart 6 M	Barter Rebecco B Mc Leibern Boone T Trossi Bone T Trossi Bone T Drine Dis
	BENERAL DE UZ152		2000 2000 2000 2000	ice to have been the	Phillips Sorah Chrant 1944 U.S. Mul. Phillips Inc. Uloch L.S. Mul. Frings On U.S.	Vocanni Votes Himali Artion Marathen Votes Himali Artion Marathen Votes Himali Artion Marathen Votes Himali Artion Conversed	Ester of States 1 100 1
5. (6) I W W		/ .	Severation feet		Conoco	Prister Abo Prisc Doo Pris	Vultes Periodicia Control Con
				(conco.eta) Fino 0 f 030160	13 DA 95 52		
			noco, et al A - N - 0 30186 A - N - 0 30186 A - N - 0 30186 Loss Cruces - Mag	•		Monogan Pet. Four fo	4 8 2 9 6 7 7 7 7 7 7 7 7
(inc)		10.5.	MU WC [2]	U.S., MI Rom & Everyn Linebergfan 15)	U.S., MI Tem § E volvn Linebory Fan (S)	U.S., MI Tom EEvelyn LineberyFon. (5)	U.S. MI Tom Efreive Lineber
	Chercon 20 Driji (c. 10 c. 10 c. 20		olfeon	Tom	Meridlan 6, Fla. Exal	Extern.	Continent

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All Distances must be from the outer boundaries of the section

Unit Latter Section Township Enge 37 EAST purp LEA 990 feet from the SOUTH 37 EAST purp LEA 990 feet from the SOUTH Test from the EAST ince 9323.27 Tubb Tubb Feet from the EAST ince 1. callue the acreage dediated to the solpect will by colored pencil or behave marke on the plot below. EAST ince Acrea 1. Collue the acreage dediated to the solpect will by colored pencil or behave marke on the plot below. EAST ince Acrea 1. Collue the acreage dediated to the solpect will by colored pencil or behave marke on the plot below. EAST ince Acrea 2. If more than one leave of different ormership is dedicated to the well, have the interest of all ormers been consolidated. (Take reverse side of the allow photoe different ormership have been consolidated. (Take reverse side of the allow photoe different ormership the best ormership thereat ormership the definition. Forestoon If a answer is "psi" type of consolidated to the order solution beact different ormership the best ormership the best ormership the definition. Forestoon Forestoon If a nonstandard unit, eliminating much interest, has been approved by the Division Prod Clerk. <th>Operator</th> <th>SAMEDAN OIL</th> <th>CORP.</th> <th>Lease</th> <th>SARAH</th> <th></th> <th></th> <th>Well No.</th>	Operator	SAMEDAN OIL	CORP.	Lease	SARAH			Well No.
Product Policy Ecolition of Well: 23 SOUTH 37 EAST NMPM LEA 990 fact from the SOUTH Image and the second policy of the se	Unit Latter			Range			County	1
Excess Free South of Felt: 990 state from the SOUTH line and 710 1ext from the EAST line 1ext from the SOUTH line and 710 1ext from the EAST line 1ext from the accessed deficated to the exhibit of the solution of					37 EAST	NMDM		LEA
Created forms the acress dedicated to the value value of the provide of the acress of the series of different concerning is dedicated accesses. Acress Concernent of the acress of different concerning is dedicated to the value of the plat below. 2. If more than one lease of different concerning is dedicated to the value of the accession of the plat below. 3. If more than one lease of different concerning is dedicated to the value of the value of the accession of the plat below. 3. If more than one lease of different concerning is dedicated to the value of the value o	•					1,011 04		
Ground Level Elser. Producing Formation 3239.2" Producing Formation Line Dedicated Agreese: Acress 1. Outline the acress defloated to the subject well by colored pencil or bachures marks on the plat below. Acress 2. If more than one lesse is defloated to the subject well by colored pencil or bachures marks on the plat below. Acress 3. If more than one lesse of different ownership is deficited to the subject well by colored pencil or bachures marks on the plat below. If more than one lesse of different ownership is deficited to the subject well by colored pencil be assigned to the well with all interests have been consolidated (ty communititation, forced-pooling, otherwise) or unit a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION 1. Adverte in "or in a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION 1. Adverte in "or in a non-standard unit, eliminating such interest, has been approved by the Division. Prod Clerk. OPERATOR CERTIFICATION 1. Adverte in "or in a non-standard unit, eliminating such interest, has been approved by the Division. Prod Clerk. OPERATOR CERTIFICATION 1. Adverte in "or in a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION 1. Adverte in "or in a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION 2. Advect in the adverte in adverte in a non-standard unit, eliminating ad	990 fee	t from the SO	UTH line and	710		feet from	the EAS	ST line
Outline the acreage dedicated to the subject wall by colored panel) or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and regalty). 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-posing, etc.? If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form measures. No allowable will be assigned to the well unit all interest, has here here consolidated (by communitization, unitization, forced-pooling, communitization, and is non-indeed unit, eliminating much interest, has been approved by the Division. OPERATOR CERTIFICATION Identify the the unit as non-indeed unit, eliminating much interest, has been approved by the Division. If answer is "no" list of formediant and the interest of all ownersely the Division. If answer is "no" list of the same is "non-indeed unit, eliminating much interest, has been approved by the Division. If answer is the the same is "non-indeed unit, eliminating much interest, has been approved by the Division. If answer is the same is "non-indeed unit, eliminating much interest, has been approved by the Division. If answer is the same is "non-indeed unit, eliminating much interest, has been approved by the Division. If answer is the same is "non-indeed unit, eliminating much interest, has been approved by the Division. If answer is the same is "non-indeed unit, eliminating much interest, has been approved by the previous and that the same is "the same is "t		v. Froducing For	rmation					
 2. If more than one lease is dedicated to the well, outline sech 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.? 14 answer is "so" list of owners and thest descriptions which have actually been consolidated. (Dee reverse side of this form necessary. No allowable will be assigned to the well unit all interests have been consolidated. (Dee reverse side of this form necessary. No allowable will be assigned to the well unit all interests have been approved by the Division. OPERATOR CERTIFICATION I have do sufficient to the description of the try owner description of the try owner description of the try owner description. OPERATOR CERTIFICATION I have do sufficient to the description of the try owner description. OPERATOR CERTIFICATION I have do sufficient to the description of the try owner description. OPERATOR CERTIFICATION I have do sufficient to the sum of the try owner description. OPERATOR CERTIFICATION I have do sufficient to the sum of the try owner description. Sumedan Otil Corporation owner and the terms of the sum of the sum of the try owner description. Sumedan Otil Corporation owner and the terms of the sum of the sum of the sum of the try owner description. Sumedan Summary and the owner owner and the sum of the sum of the sum of the sum of the try owner description. Sum owner owner and the terms of the sum of the sum of the try owner description. Sum owner and the try o	3239.2'	IUDD		Cline				40 Acres
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, force-pooling, etc.? If more than one lease of different ownership is dedicated to the well unit all interests have actually been consolidated. (Use reverse side of the more streng) If more than one-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to interest the set of the division. OPERATOR CERTIFICATION I have to intit a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to intit a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to intit a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to interest the interest of more standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to interest the interest of more standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I have to interest to interest to interest to interest of more standard unit, eliminating such interest to interest. I have to interest to interest. I have to interest. I have to interest.	1. Outline the a	creage dedicated to	the subject well by colored	pencil or hach	ure marks on th	e plat below		
unitables, force-pooling, etc.? Yes No If answer is "yes" type of consolidation If asswer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form accessing) Image: the senigred to the well unit all interests have been consolidated (by communitation, unitization, forced-pooling, otherwise) or unit a non-standard unit, eliminating such interest, has been approved by the Division Image: the senigred to the well unit all interests have been consolidated (by communitation). OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division OPERATOR CERTIFICATION Image: the senigred to the well interest, has been approved by the Division Prod Clerk Open approved to the well interest, has been approved to the well intere								
If asser is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form accessary otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I harsey certify the the tuformation contained area to sing. OPERATOR CERTIFICATION I harsey certify the the tuformation on the provide the tuformation of the tuformation output is non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I harsey certify the the tuformation ordenade area to sing. Subseture Pation Date O1/11/94 SURVEYOR CERTIFICATION I harsey certify the the tuformation of the pation prod Clerk Company Surveyed June 17, 1993 Signature & Sent of Professional Surveyed June 17, 1993 Signature & Sent of Professional Surveyee June 17, 1993 Signature & Sent of Professio	unitization, f	force-pooling, etc.?				of all owners	been conse	olidated by communitization,
this form accessery. A 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 Arreby certify the tryomation ontotable Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Characterized Aveen is frue and complete to the best of my knowledge and being. Suffection Division Prod Clerk Suffection Division Prod Clerk Suffection Division Prod Stream certred to the best of my knowledge and being. Date Surreyed June 17, 1993 June 17, 1993 Ju		·						
Na allorable vill be assigned to the well unit all interest have been consolidated (by communification, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating much interest, has been approved by the Division.			nd tract descriptions which	have actually	been consolidate	ed. (Use reve	erse side of	
otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hareby certify the the stytemotion ordinated herein is true and complete to the best of my theoutings and heiter. Subarture Division Prod Clerk Company Salledan 0:1 Corporation Division Prod Clerk Surveyor CERTIFICATION I hereby certify that the unit iscation shown on this plat was plotted from field notes of Division and that its was its true and ordinate by me or under and statist of my theoutings and heiter Division Prod Clerk Company Salledan 0:1 Corporation Date Division Prod Clerk Surveyor CERTIFICATION I hereby certify that the unit iscation shown on this plat was plotted from field notes of Division and that its was its true and bete of my theoutings and that its was its true Division an	No allowable w	vill be assigned to	the well unit all interes	ts have been	consolidated (by commun	itization, 1	initization, forced-pooling.
I harsby certify the the information contained herein is final and complete to the bast of my humologie and belief. Standard Withouted Philoted Mighes Budy throneberry Pesition Division Prod Clerk Company Stalledan Oil Corporation Date 01/11/94 SURVEYOR CERTIFICATION I harsby certify that the uset location shown on this plat was pletted from field notes of actual survey made by me or under my supervision, and that the sume is from an correct to the best of my knowledge an belief. Date Surveyed June 17, 1993 Signature 4 Seal of Professional Surveyed Company at a start of my knowledge and belief. Date Surveyed Company Signature 4 Seal of Professional Surveyed Company at a start of the start of my knowledge of belief. Date Surveyed Company Signature 4 Seal of Professional Surveyed Company Signature 5 Seal of Professional Surveyed Company Signature 4 Seal of Professional Surveyed Company Signature 5 Seal of Professional Surveyed Company Signature 5 Seal of Professional Surveyed Company Signature 5 Seal of Professional Surveyed Company Signature 5 Seal of Professional Surveyed Signature 5 Seal of Professional Surveyee Signature 5 Seal of Professional Surveyee Signation 5 Seal of Professional Surveyeee Signature								
Bignature June 17, 1993 Signature June 17, 1993	r		<u> </u>				OPERA	TOR CERTIFICATION
Bignature June 17, 1993 Signature June 17, 1993	1	Ì		1			I he	reby certify the the information
Signature Pflated Withone Berry Petition Division Prod Clerk Samedan Oil Corporation Division Prod Clerk Samedan Oil Corporation Date Ol/11/94 SURVEYOR CERTIFICATION I Arrety sertify that the usel location shown or they sertify that the usel location shown of the set of my knowledge on being. 3241.97 3243.27 3245.97 3								
Protect Notes Build State Protect Notes Build State Build State Build State Balance Build State<		i i					best of my l	mowledge and belief.
Protect Notes Build State Protect Notes Build State Build State Build State Balance Build State<		1					Sidnatura	
Pffated Make Uudy Throneberry Feation Division Prod Clerk Company Samedan Oil Corporation Date 01/11/94 SURVEYOR CERTIFICATION I hereby certify that the usit location shoun on this plat was plated from field noise of attual survey and by me or under my supervision, and that the same is true an correct to the best of my knowledge and belief. Date Surrected Surveyed Signature & Seal of Professional Surgeon Signature & Seal of Signature & Seal of Professional Surgeon Signature & Seal of Signature & Sea							hidi	1. Harperly
Budy throneberry Position Division Prod Clerk Company Surveyor CERTIFICATION I Arreby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under m supervision and that the sume is true an orrect to the best of my knowledge an beligf. Date 3241.9' 3241.9' 3241.9' 3243.2' 3243.2' 3243.2' 3247.3' Certifice that Certifice that Date		l					Printed No	me Continue
Pesition Division Prod Clerk Company Samedan Oil Corporation Date Ol/11/94 SURVEYOR CERTIFICATION I Arreby certify that the well location shown on this plat was plotted from field notes of actual survays made by me or under my supervision and that the same is true an correct to the best of my knowledge an being. Date Surveyed June 17, 1993 Signature & Scal of Professional Surgeon Complete and Survey of the or the same is true and correct for the best of my knowledge and being. Date Surveyed June 17, 1993 Signature & Scal of Professional Surgeon Complete and the same is true and correct to the best of my knowledge and being. Date Surveyed June 17, 1993 Signature & Scal of Professional Surgeon Complete and the same is true and correct for the best of my knowledge and being. Date Surveyed June 17, 1993 Signature & Scal of Professional Surgeon Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and being. Complete and the same is true and correct is the best of my knowledge and the same is true and correct is the same is the same is tru		}		l			11 /	1 //
Company Compan		+	·				the second s	
Company Compan							Divisi	on Prod Clerk
Date 01/11/94 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true an correct to the best of my knowledge an beiter. Jate 01/11/94 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys June 17, 1993 Signature & Scal of Professional Surveyor Date Surveyed June 17, 1993 Signature & Scal of Professional Surveyor Of R ^{ef} L JGARS Of R ^{ef} L JGARS <td></td> <td> </td> <td></td> <td> </td> <td></td> <td></td> <td>Company</td> <td>0il Corporation</td>							Company	0il Corporation
3241.9' 3245.9' 3243.2' 3245.9' 3243.2' 3247.3' 00 710' 3243.2' 3247.3' 00 710' 100 100 100 100 100 100 100 100 100 100		1		· · · · · · · · · · · · · · · · · · ·			Jaineua	
SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field nodes of actual serveys made by me or undern is true an correct to the best of my knowledge and being. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities, and that the sine is true and correct to the best of my knowledge and being. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities, and w, well location shown on this plat was plotted from field nodes of actual serveys made by me or undern supervison, and that the smell location shown or undern statements Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities, and w, well of annual second statements annual second seco		ĺ						04
3241.9' 3245.9' 3241.9' 3245.9' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 3243.2' 3247.3' 0 710' 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 10 1000 1000 1000 100		i					01/11/	94
on this plat was plotted from field notes of actual surveys made by me or under m supervision, and that the same is true an correct to the best of my knowledge an being. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor. Signature & Seal of Signature & Seal of Signatur							SURVE	YOR CERTIFICATION
actual surveys made by me or under mi supervison, and that the sume is true on correct to the best of my knowledge an belief. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor 0,710- 3243.2' 3247.3' 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							I hereby cer	tify that the well location shown
supervison, and that the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor 3243.2' 3247.3' Officient States of the seal of Professional Surveyor Certificities and that the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true an correct to the best of my knowledge an belig. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Certificities and the same is true and the same is the same is								
Certificited and w. step of the set of the best of my knowledge and belief. Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor Certificited and w. step of the Certificited and w. step of the Cerificited and w. step of the Ceri				1				• • •
Date Surveyed June 17, 1993 Signature & Seal of Professional Surveyor 3243.2' 3247.3' O Certificate3 Certificate3 Certificate3 Converted Converted Converted Certificate3 C							-	1
June 17, 1993 3241.9' 3245.9' 3243.2' 3247.3' 3243.2' 3247.3' 3245.9' 3247.3' 3245.9' 3247.3' 3245.9' 3247.3' 3245.9' 3247.3' 3245.9' 3247.3' 3245.9' 3247.3' 3245.9' 40222 3245.9' 40222 3247.3' 3247.3' 3245.9' 40222 3247.3' 40222 3247.3' 40222 3247.3' 40222 3247.3' 40222 3247.3' 40222 3247.3' 40222 3247.3' 40222 40222 3230 40222 3230 40222 3230 4022 3230 4022 3230 4022 3230 4022 3230 4022 3230 4022 3230							belief.	
Signature & Seal of Professional Surveyor 3241.9' 3245.9' 3243.2' 3247.3' 0 3243.2' 3243.2' 3247.3' 0 0 0 1000 1000 1000 1000 1000 1000 1000		1					Date Surv	eyed
Signature & Seal of Professional Surveyor 3241.9' 3245.9' 3243.2' 3247.3' 0 3243.2' 3243.2' 3247.3' 0 0 0 1000 1000 1000 1000 1000 1000 1000		ł					Ju	ne 17, 1993
3243.2' 3243.2' 3247.3' 0 3243.2' 3247.3' 0 0 0 0 1000 1000 1000 1000 1000							Signature	& Seal of
3243.2' 3247.3' 3243.2' 3247.3' Certifical 43.1. Certifical 43.					3241.9'	3245.9'	Profession	nal Surveyor
3243.2' 3247.3' 3243.2' 3247.3' Certifical 43.1. Certifical 43.		1		l	10-	710		ARY L. JONES
Certifical 43 A	1	1		l		110		IN MEXI
Constant Part Part Part Part Part Part Part Par		l			3243.2	⁻ 3247.3'	$n \parallel$	A A A
Constant Part Part Part Part Part Part Part Par		1			0			1 V Gozz hall
Constant Part Part Part Part Part Part Part Par	1	1		1	6		7)au	W Draw N Sub
Constant Part Part Part Part Part Part Part Par		I		I	Î		Certificate	3.ND. LOTH W. YE . 876
	L	i	<u> </u>	<u>.</u>	¥			TA BONALD LEIDSON 3239
0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0 93-17-77								ADECOGARMAN SOLES, 7977
	0 330 660	990 1320 1650	1980 2310 2640 2	000 1500	1000 50	o o		93-1-1-1-72

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I P.O. Box 1980, Hobbs, NM 68240

DISTRICT II P.O. Drawer DD, Artesia, NM 68210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	SAMEDAN OIL	_ CORP.	Lease	SARA	нв		Well No.
Unit Letter	Section	Township	Range			County	L
P	11	23 SOUTH		37 EAST	NMPM		LEA .
Actual Footage Loca	ation of Well:	" <u>A</u>		···			
990 feet	t from the SO	UTH line and	710		feet from	the EAS	
Ground Level Elev. 3239.2'	LOWER Pa	addock/Blinebry	Cline	ē			Dedicated Acreage: 40 Acres
1. Outline the ac	creage dedicated to	the subject well by colored	pencil or hach	ure marks on t	he plat below.		
2. If more than	one lease is dedica	ated to the well, outline eac	h and identify	the ownership	thereof (both	as to worki	ng interest and royalty).
	one lease of differ orce-pooling, etc.?	ent ownership is dedicated	to the well, ha	ave the interest	of all owners	been conso	lidated by communitization,
Yes Yes	No No	lf answer is "yes" type	of consolidati	on			
		nd tract descriptions which	have actually	been consolidat	ted. (Use reve	rse side of	
	ill be assigned to	the well unit all interes rd unit, eliminating such :					initization, forced-pooling,
							TOR CERTIFICATION
	1					I her	reby certify the the information
	1			1			rein is true and complete to the
	Ì			1		oest of my r	nowledge and belief.
				 		Signature	Aronelun
				1		Printed Na	pe /
}		+		}	·	Position	froneberry U
						Div Pro	oduction Clerk
	1			1			n Oil Corp
	l			1		Date	
	1					01/11/9	94
	1					SURVE	YOR CERTIFICATION
						-	ify that the well location shown was plotted from field notes of
	1			1		-	ys made by me or under my
	1			1			and that the same is true and
				1		belief.	the best of my knowledge and
				1		Date Surve	-
				1		JUI Signature	ne 17, 1993
		·		3241.9'	3245.9'		al Surveyor
	1				-710'-		GARY L. JOAVES
							SEN MEXICA
	1			3243.2'	3247.3'		187181
				066		r) dis	L X YOZZ D SOP
	1					Certificate	3 Mp. 100 HT W. VEET . 676
							ADD DARNALD LEIDED 3239
0 330 660	990 1320 1650	1980 2310 2640 2	000 1500	1000 50			93-11-172

OFFSET OPERATORS

•

AMOCO PO Box 3092 Houston, Texas 77253

ARCO PO Box 1610 Midland, Texas 79702

CHEVRON PO Box 1635 Houston, Texas 77251

CONOCO PO Box 4783 Houston, Texas 77210

KELTON OPERATING CORPORATION PO Box 276 Adnrews, Texas 79714

January 11, 1994

AMOCO Post Office Box 3092 Houston, Texas 77253

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

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

If you have any questions please contact Jim Trott 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.

Judy⁽Throneberry (/ Division Production Clerk

attachments

January 11, 1994

ARCO Post Office Box 1610 Midland, Texas 79702

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

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

If you have any questions please contact Jim Trott 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.

nelectry

Judy Throneberry U Division Production Clerk

attachments

January 11, 1994

CHEVRON PO Box 1635 Houston, Texas 77251

• •

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

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

If you have any questions please contact Jim Trott 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.

vdy Aroneburns

Judy Throneberry Division Production Clerk

attachments

January 11, 1994

CONOCO Post Office Box 4783 Houston, Texas 77210

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

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

If you have any questions please contact Jim Trott 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.

- Aroneleun

Judy Throneberry Division Production Clerk

attachments

January 11, 1994

KELTON OPERATING CORPORATION Post Office Box 276 Andrews, Texas 79714

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

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

If you have any questions please contact Jim Trott 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.

Judy Throneberry *l* Division Production Clerk

attachments

January 11, 1994

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

RE: Down Hole Commingling Sarah B Well #1 Unit P, Section 11, T-23S, R-37E Lea County, NM Cline Tubb Zone Cline Lower Paddock/Blinebry Zone

This is to notify you of our application for administrative approval for down hole commingling of Tubb and Lower Paddock/Blinebry production in the Sarah B #1 Well. I have attached a copy of the application.

If you have any questions please contact Jim Trott at 713/876-6150.

Thank you,

milin

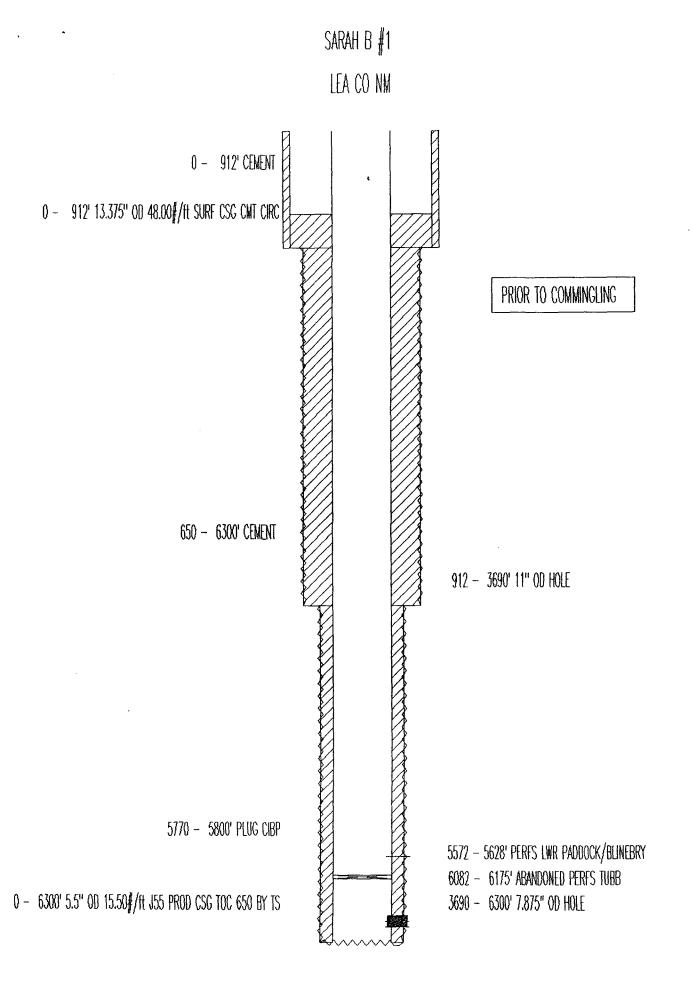
Judy Throneberry ${\cal O}$ Division Production Clerk

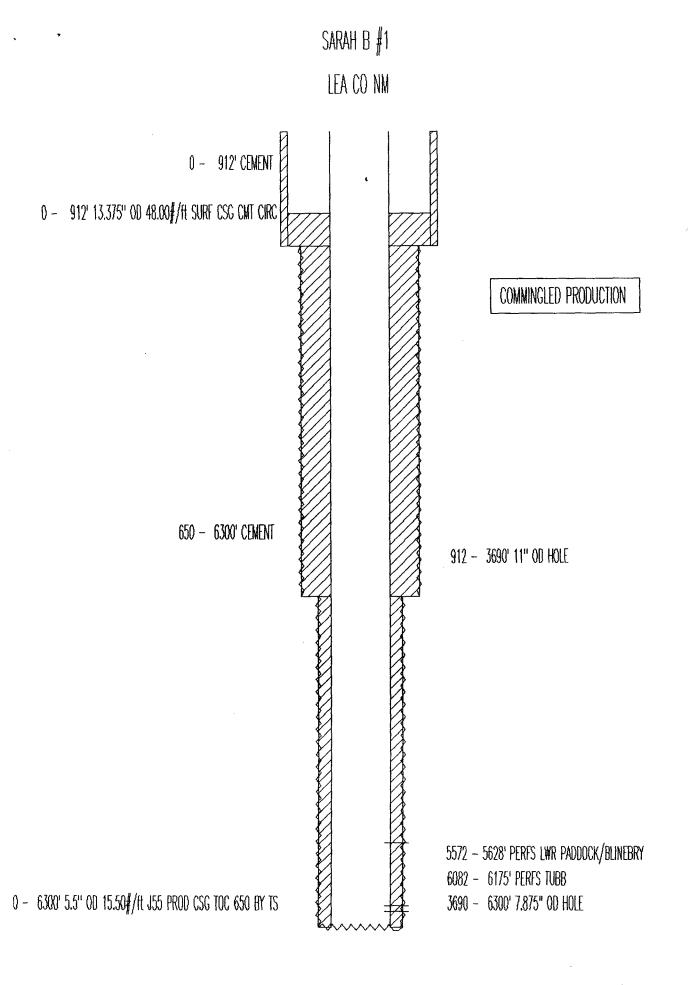
attachments

(See Rule 301, Rule 1116 & appropriate pool rules.)	Specific gravity base will be 0.00. Report casing pressure in lieu of tubing pressure for any well producing through casing.	Great that well can be assigned increased allowanes when automized by the privision. Gas volumes must be reported in MCF measured at a pressure base of 15.025 Society present box will be 0.60	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 the table when when the produced by the Division	Instructions:				Sarah B 1	LEASE NAME NO.		Address 12600 Northborough, #250, Houston,	Operator Samedan Oil Corporation		DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	P.O. Drawer DD, Artesia, NM 88210	P.O. Box 1980, Hobbs, NM 88240	Submit 2 copies to Appropriate District Office.
201	ine for a	sured at	noduced perator i		 , , , , , , , , , , , , , , , , ,			ס	с								
les.)	my well	a pres	at a ra		 				S	LOCATION	Texas					IIO	Ene
	l produ	sure ba	te not e		 			23S 3	+	Ş	77067		2	6	1	C C	rgy, N
	cing th	ise of	exceed to take		 	·····		37E			7	Cl i ne	GA	anta		NON CON	Minera
	rough casing	17151011. 15.025 psia	advantage o					11/26/93	TEST	DATEOF		1 Q	GAS - OIL RATIO TEST	Santa Fe, New Mexico 87504-208	P.O. Box 2088	OIL CONSERVATION DIVISION	State of New Mexico Energy, Minerals and Natural Resources Department
	ųσ	and a	nit all of this 3		 	······································		 	STA	rus	TYPE OF TEST - (X)	ier P	RAT	lexico	lox 20	ILV	lew N tural]
		psia and a temperature of	owable fo 25 percent		 · _ #11.1			·*·	SIZE	CHOKE	⊗™ ——	Lower Paddock/Bli	IO TE	o 87504	880	ONI	Aexico Resource
		ire of 60° F.	r the pool in tolerance in		 				PRESS.	R R	Scheduled		ST	-2088		SIAIC	s Depar
				COLL P					ALLOW-	DAILY		nebry				SION	tment
n	01/11/94	Judy Hr	Signature	plete to t				24	HOURS	OF	ç						
)4	Judy Throneberry,	1 Ja	I hereby certify that the complete to the best of my				26	WATER BBLS.	Ŗ	Completion	0					
		·rγ,	rone	t the ab				38.8	GRAV.	PROD. DURING TEST		County Lea					
×	. 71	Div Prod	ehe	ove info owledge :				16	Bals.	NG TEST	G						
I elebi	713-876-6150	d Clerk	tur	I hereby certify that the above information complete to the best of my knowledge and belief.				46	GAS		Special						Form
reiebuoue no.	6150			is true and f.	<u></u>			2875	RATIO CU.FT/BBL	GAS - OL	X						Form C-116 Revised 1/1/89

Houston, Tx 77067 TEST-(X) Scheduled Completion		SIZE PRESS. ABLE HOURS BBLS.	P 11 23S 37E 9/29/93 P 24 19 38.8			I hereby certify that the above information complete to the best of py knowledge and belief.	top unit allowable for the pool in age of this 25 percent tolerance in psia and a temperature of 60° F.	Instructions: Instructions: 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 tokerance in order that well can be assigned increased allowables when authorized by the Division. I hereby certify that complete to the best or complete to the best or 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. Stepature of 60° F. Specific gravity base will be 0.60.
Cline - Tubb	Cline - Tubb TYPEOF TEST-(X)	Cline - Tubb TYPE OF TEST - (X) Scheduled Completion DATE OF 2 CHOKE TBG. DAILY LENGTH PRC	Cline Tubb TYPE OF TEST - (X) Scheduled Complet DATE OF Scheduled P TEST TEST SIZE PRESS ABLE HOURS BBL	Cline - Tubb TYPE OF TEST - (X) Scheduled Complet DATE OF TST - (X) Scheduled Complet DATE OF TST CHOKE TBG. ALLOW- TEST TST SIZE PRESS. ABLE HOURS BBU 37E 9/29/93 P 24 10	Cline - Tubb TYPE OF TEST - (X) Scheduled Complete P DATE OF TEST SS CHOKE TBG. DALLY TEST Complete 37E 9/29/93 P SSZE PRESS ABLE HOURS BBL 37E 9/29/93 P Z4 10	CTine - Tubb TYPE OF TEST - (X) BATE OF TEST - (X) Scheduled TEST SIZE PRESS ALLON SIZE PRESS ALLON ALLON PRESS ALLON A	Tubb Trype of TEST - (X) Scheduled or TEST - (X) Scheduled or TBG. DAL SIZE DAL PRESS. y3 P SIZE PRESS. y3 P SIZE PRESS. y4 SIZE PRESS. ABLO y4 SIZE PRESS. ABLO y5 SIZE PRESS.	Tubb Trest - (X) Scheduled OF TEST - (X) Scheduled TBG. DAL SIZE PRESS. ALLO SIZE PRESS. ALLO ALLO SIZE PRESS. ALLO ALLO ALLO SIZE PRESS. ALLO AL
	TYPE OF TEST - (X) Scheduled	TYPE OF TEST - (X) Scheduled Complet DATE OF 2 CHOKE TBG. DAILY LENGTH	TYPE OF TEST - (X) Scheduled Complet R DATE OF 22 CHOKE TBG. DAILY Complet R TEST 55 SIZE PRESS. ABLE HOURS BBL	TYPE OF TEST - (X) Scheduled Complet R DATE OF TEST 52 53 CHOKE TBG. DAILY Complet 37E 9/29/93 P SIZE PRESS. ABLE HOURS BBL 37E 9/29/93 P 24 10	TYPE OF TEST - (X) Scheduled Completion R DATE OF TEST 53 CHOKE TBG. DAILY TEST Completion 37E 9/29/93 P 24 10 37E 9/29/93 P 24 10	Image: Property of the state of the stat	TYPE OF TEST - (X) Scheduled OF TUS SIZE TBG. DAL OF SIZE DAL PRESS. '93 P SIZE PRESS. ABLO '94 SiZE PRESS. ABLO ABLO '95 SiZE SiZE PRESS. ABLO '94 SiZE SiZE PRESS. ABLO '95 SiZE SiZE PRESS. ABLO '95 SiZE SiZE SiZE ABLO '95 SiZE SiZE SiZE ABLO '96 SiZE	TYPE OF TEST - (X) Scheduled of T TST CHOKE TBG. DALL OF TBG. DALL ALLO ALLO y3 P SIZE PRESS. ABLF y4 SIZE PRESS. ABLF y4 SIZE PRESS. ABLF y5

100





Samedan Oil Corporation Sarah "B" No. 1 Commingling Justification Page One

Sarah "B" No. 1 Well History 5) Field: Cline Tubb and Cline Lower Paddock/Blinebry Location: 990' FSL and 710' FEL, Sec. 11, T-23-S, R-37-E Drilling Contractor: Hondo Drilling Spud and set 13-3/8" 48# H-40 casing at 912'. 7-30-93: Cement circulated. TD at 6300' and logged. Set 5-1/2" 15.5# casing @ 6300'. TOC 650' by T.S. 8-11-93: 8-12-93: 8-18-93: Perf Tubb section 6082-6175'. Acidized Tubb section 6082-6175' with 2000 gals. 8-19-93: 8-20-93: Swabbed 2 BO + 6 BW. to 8-25-93 Western Co. frac'd Tubb section 6082-6175' 8-26-93: with 29,000 gals 40 Quality CO_2 foam + 77,000# 20/40 sand. Flowed to recover load and test. 8-27-93: to 9-03-93 9-04-93: Cleaned out frac sand from wellbore. to 9-08-93 tubing, rods, 9-09-93: Run and pump. Put well on production. 9-10-93: Pumped 0 BO, 86 BLW, & 55 MCF. Pumped 61 BO, 53 BW, & 150 MCF. 9-11-93: Pumped 20 BO, 33 BW, & 150 MCF. 9-12-93: Pumped 20 BO, 20 BW, & 178 MCF. Pumped 35 BO, 22 BW, & 135 MCF. Pumped 22 BO, 118 BW, & 174 MCF. 9-13-93: 9-14-93: 9-15-93: 9-16-93: Pumped 0 BO, 0 BW, & 0 MCF. 9-17-93: Pumped 0 BO, 0 BW, & 0 MCF. Pumped 13 BO, 161 BW, & 174 MCF. Pumped 21 BO, 161 BW, & 168 MCF. Pumped 13 BO, 161 BW, & 168 MCF. 9-18-93: 9-19-93: 9-20-93: Pumped 21 BO, 115 BW, & 168 MCF. Pumped 19 BO, 111 BW, & 59 MCF. Pumped 10 BO, 43 BW, & 59 MCF. Pumped 14 BO, 64 BW, & 10 MCF. 9-21-93: 9-22-93: 9-23-93: 9-24-93: Pumped 13 BO, 43 BW, & 9 MCF. 9-25-93: Pumped 18 BO, 86 BW, & 6 MCF. 9-26-93: 9-27-93: Pumped 8 BO, 43 BW, & 11 MCF. Pumped 14 BO, 11 BW, & 7 MCF. Pumped 13 BO, 26 BW, & 19 MCF. 9-28-83: 9-29-93: 9-30-93: Pumped 14 BO, 59 BW, & 7 MCF. Set CIBP with 30' cement at 5800'. Perf'd Lower 10-01-93: Paddock/Blinebry 5572-5628'. 10-02-93: SI. to 10-04-93 Acidized and frac'd Lower Paddock/Blinebry 5572-5628' with 1500 gals 15% NEFE + 33,000 gals 40 Quality CO_2 foam + 83,000# sand. 10-05-93: 10-06-93: Flowed back load. to 10-10-93 10-12-93: Ran tubing, rods, and pump. Pumped 100% water. 10-13-93: Pumped trace oil, 119 BW, & 68 MCF. Pumped 5 BO, 120 BW, & 130 MCF. Pumped 5 BO, 114 BW, & 80 MCF. 10-14-93: 10-15-93: 10-16-93: 10-17-93: Pumped 5 BO, 104 BW, & 81 MCF. 10-18-93: Pumped 6 BO, 107 BW, & 79 MCF. 10-19-93: Pumped 13 BO, 77 BW, & 73 MCF.

Samedan Oil Corporation Sarah "B" No. 1 Commingling Justification Page Two

•

•

5) Well History (Continued)

10-20-93:	Pumped 20 BO, 79 BW, & 72 MCF.
10-21-93:	Ran GR log, indicated R.A. material 5565-5680'.
to	Perfs 5581-5628'.
10-22-93	
10-23-93:	
10-25-93:	L · · · · · · · · · · · · · · · · · · ·
10-26-93:	Pumped 12 BO, 70 BW, & 51 MCF.
10-27-93:	Initial potential Lower Paddock/Blinebry - 11 BO,
	53 BW, & 52 MCF. Final Report.

5) 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 1994 is submitted below based on latest production rates declined 10% annually.

1994 ESTIMATE PRODUCTION

	TUBB	SECTION		LOWER PADDO	CK/BLINEB	RY SECTION
MONTH	BO	BW	MCF	BO	BW	MCF
JAN	395	578	790	486	790	1398
FEB	392	573	783	482	783	1386
MAR	389	568	777	478	777	1375
APR	385	564	770	474	770	1363
MAY	382	559	764	470	764	1351
JUN	379	554	757	466	757	1339
JUL	375	550	751	462	751	1328
AUG	372	548	744	458	744	1316
SEP	369	540	738	454	738	1305
OCT	365	436	731	450	731	1393
NOV	。362	531	725	446	725	1282
DEC	359	526	718	442	718	1270

ESTIM	ATED COMB	INED PRODUCT	<u>FION</u>
<u>MONTH</u>	BO	BW	<u>MCF</u>
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV	881 874 867 859 852 845 837 830 823 815 808	1368 1356 1345 1334 1323 1311 1301 1289 1278 1267 1256	2188 2169 2152 2133 2115 2096 2079 2060 2043 2124 2007
DEC	801	1244	1988

Samedan Oil Corporation Sarah "B" No. 1 Commingling Justification Page Three

٠

6) Estimated BHP for each Artificially Lifted Zone

5

The wellbore will produce from the Tubb and Lower Paddock/Blinebry zones. 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 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.

1

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 zones was previously approved by the NMOCD for the Samedan operated Sarah "B" No. 1 & 2 under order PC-847. No adverse affects have occurred due to surface commingling. It is anticipated that fluid characteristics will not significantly change at BHP or temperatures and no adverse conditions would be created by down hole commingling.

8) For Values of Production

- 1) Samedan owns and operates 100% of the Sarah B. lease.
- 2) Tubb zone: Daily production = 85 bbls oil Gravity @ 60 = 33.8. Sulfur = .389 Value = \$16.25 per bbl for sweet crude

Lower Paddock/Blinebry zone: Daily production = 70 bbls oil (estimate) Gravity @ 60 = 40.0 (representative) Value = \$16.35 per bbl for sweet crude

- Commingled oil: Expected gravity = 37.0 sweet crude Expected value = \$16.31 per bbl
- 3) The actual commercial value of the commingled production will be equal to the sum of the values of the production from each common source of supply.
- 9) Formula for Allocation of Production

Production was allocated based on the most recent gas-oil ratio test (Form C-116 attached) and it is felt this will continue to be representative.

	<u>0il</u>	<u>Gas</u>	<u>Water</u>
Lower Paddock/Blinebry	55%	64%	58%
Tubb	45%	36%	42%

OIL CONSERVED RECEIVED

J.

January 11, 1994

New Mexico Oil Conservation Commission Post Office Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. Bill LeMay

RE: Down Hole Commingling

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 P, Section 11, T-23S, R-37E Lea County, New Mexico Sarah B Well #1 Cline - Tubb Cline - Lower Paddock/Blinebry

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

Very truly yours,

CHEVRON

BY: Name: 17-DATE:

JHP- G81

OIL CONSERVE FON DIVISION RECEIVED

194 JAN 24 AM 9 49

January 11, 1994

New Mexico Oil Conservation Commission Post Office Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. Bill LeMay

RE: Down Hole Commingling

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 P, Section 11, T-23S, R-37E Lea County, New Mexico Sarah B Well #1 Cline - Tubb Cline - Lower Paddock/Blinebry

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

Very truly yours,

KELTON

BY: <u>C. Dale Kelton</u>

DATE: <u>January 18, 1994</u>

VI -UN DIVISION STATE OF NEW MEXICO EVEENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT AM 8 50

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

BRUCE KING GOVERNOR

January 25, 1994

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

RE: Proposed: MC.

DHC	X	
NSL NSP		
NSP		
SWD		
WFX		
PMX [—]		

Gentlemen:

I have examined the application for the:

Samedan Oil Corp.	Sarah B	#1-P	11-23-37
Operator	Lease & Well No.	. Unit S	S-T-R

.

and my recommendations are as follows:

ours, verv trulv Jerry Sexton Supervisor, District 1

/ed