SUSPENSE

[E]

[F]

ABOVE THIS LINE FOR DIVISION USE ONLY

### **NEW MEXICO OIL CONSERVATION DIVISION**

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



### ADMINISTRATIVE APPLICATION CHECKLIST

TI	HIS CHECKLIST IS MA	NDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appli	[DHC-Down [PC-Pot	: dard Location) [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] hale Commingling) [CTB-Lease Commingling] [PLC-Pool/Lease Commingling) of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Sait Water Disposal] [IPI-Injection Pressure Increase] fied Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF API [A]	PLICATION - Check Those Which Apply for [A]  Location - Spacing Unit - Simultaneous Dedication  NSL NSP SD
	Check [B]	One Only for [B] or [C]  Commingling - Storage - Measurement  The DHC CTB PLC PP PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  WFX PMX SWD IPI EOR PPR
	[D]	Other: Specify
[2]	NOTIFICATI [A]	ON REQUIRED TO: - Check Those Which Apply, or □ Does Not Apply  X Working, Royalty or Overriding Royalty Interest Owners
	[B]	X Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	X Notification and/or Concurrent Approval by BLM or SLO

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

Waivers are Attached

For all of the above, Proof of Notification or Publication is Attached, and/or,

CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note:	Statement must be completed by an in	dividual with managerial and/or supervisory capacity	` <b>.</b>
Kevin C. Olson	Seven C.	Olson District Engineer	3/8/02
Print or Type Name	* Fignature	Title	Date

KOlson@samson.com

e-mail Address

## pKRV0206050353

State of New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division Div.

Form C-107A Revised May 15, 2000

District II

1301 W. Grand Avenue, Artesia, NM 88210

District I 1625 N. French Drive, Hobbs, NM 88240

**District III** 

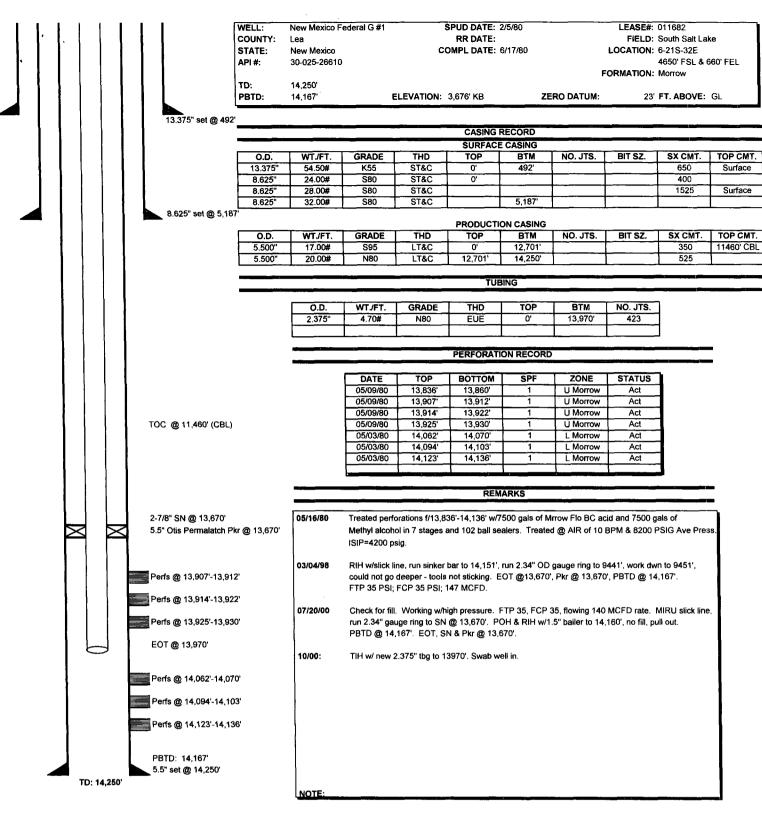
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 1220 South St. Francis Dr. Santa Fe, New Mexico 87505: 3

APPLICATION TYPE \_\_X\_SingleWell
\_X\_Establish Pre-Approved Pools
EXISTING WELLBORE
\_\_X\_Yes \_\_\_\_No

### APPLICATION FOR DOWNHOLE COMMINGLING

Samson Resources Operator		, Broken Arrow OK 74012	
NM Fed G	1 Sec 6-T21S		CJ. S
ease		-Section-Township-Range	County County
GRID No Property Cod	e NM-15024 API No. 30-02	5-26610 Lease Type: X_	Federal State Fee
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWERZONE
Pool Name	S. Salt Lake, Atoka		S. Salt Lake Morrow
Pool Code	84440		84480
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	13103-13106 13089-13096		13836-14136'
Method of Production (Flowing or Artificial Lift)	Flowing		Plunger lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	5908		± 1000
Oil Gravity or Gas BTU (Degree API or Gas BTU)	47.6 oil gravity		55.4 oil gravity
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production	Date: Estimated	Date:	Date: 4/20/01
estimates and supporting data.)	Rates: 300 MCFD	Rates:	Rates: 145 MCFD, 0 BOPE 3 BWPD
Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
than current or past production, supporting data or explanation will be required.)	% 50% after pressure equalizes	% %	% 50 % after pressure equaliz
	ADDITIO	NAL DATA	
are all working, royalty and overriding f not, have all working, royalty and ov			YesX No Yes No
are all produced fluids from all commi	ngled zones compatible with each	other?	YesX No
Vill commingling decrease the value o	f production?		Yes No>
f this well is on, or communitized with r the United States Bureau of Land M			YesX No
IMOCD Reference Case No. applicable	le to this well:		
C-102 for each zone to be comming Production curve for each zone for For zones with no production histo Data to support allocation method Notification list of working, royalty Any additional statements, data or	at least one year. (If not available, ry, estimated production rates and or formula.	attach explanation.) supporting data. or uncommon interest cases.	
	PRE-APPRO	OVED POOLS	
If application is	to establish Pre-Approved Pools, to	he following additional information	will be required:
List of other orders approving downho List of all operators within the propose Proof that all operators within the prop	d Pre-Approved Pools	••	

I hereby certify that the infor	mation above is true and complete to the b	best of my knowledge and belief.	
SIGNATURE	C- ClSan_TITLE_Distric	best of my knowledge and belief. ct EngineerDATE_February 4, 2002	
TYPE OR PRINT NAME	Kevin C. Olson	TELEPHONE NO ( 918 ) 591-1821	



### MISCELLANEOUS

SRC WI9	6: 56.25%	BHT:			
ZONE PE	NALTY:	BHP:			
COMPET	ITIVE:	EST SITP:			
FERC CI	ASS:	EST WHSIP:			
FORCE I	POOL:	COMPRESSOR DETAIL:			
SRC OF	SET/ZONE:				
LOGS:	GR-Compensated Density, CBL/CCL,	PUMPING UNIT DETAIL:			
	GR-Micro-Seismogram				

### CAPACITIES

Tubular Cap.	]	
	Bbl/ft	Ft3/ft
Tubing		
Casing(#)		
Casing(#)		
Annular Cap.		
. , .	Bbl/ft	Ft3/ft
Tubing x Casing(#)	Bbl/ft	Ft3/ft
·	Bbl/ft	Ft3/ft

### TUBULAR GOODS PERFORMANCE

Engineer: <u>Hari Narayana</u>
Office#: 918-591-1873
Fax#: 918-591-7873

Prepared By: Sarah White Date: 11-11-97 Updated: 4/3/01 sjr

Material	Tensile	Burst	Collapse	ID	Drift
	(lbs)	(psi)	(psi)	(in)	(in)
13.375" 54.5# K55 ST&C	547,000	2,730	1,130	12.615	12.459
8.625" 24# S80 ST&C	326,000	2,950	1,780	8.097	7,875
8.625" 28# S80 ST&C	414,000	3,390	2,680	8.017	7,892
8.625" 32# S80 ST&C				7.921	7.700
5.5" 17# S95 LT&C	374,000	9,190	6.930	4.892	4.767
5.5" 20# N80 LT&C	428,000	9,190	8,830	4.778	4,653
2.375" 4.7# N80 EUE	144,960	10,570	11,160	2,441	2,347
	•		Easter Not Included		

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico

Energy, Minerals & Natural Resources Department

### OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Numb	er	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name	:
30-025-26610	ľ	84440	S. Salt Lake, Atoka	
<sup>4</sup> Property Code		5	Property Name	<sup>6</sup> Well Number
NM 15024	NM Fed G			1
OGRID No.		8	Operator Name	<sup>9</sup> Elevation
N2016534	Samson Res	sources		3653' GL
<del> </del>	<del></del>	10 ~		

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Count	y
I	6	215	32E		4650	South	660	East	Lea	

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres	13 Joint of	T. CH 14 C	Consolidation	G. 1- 15 O.	der No.				
Dedicated Acres	Joint of	L'INITIAL I	onsolidation	Code   O	rder No.				
320			5	C	ommunitiza	tion pending	;		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

	NON-STAIN.	DARD UNIT HAS BEEN APPROVED BY IT	IE DIVIDION
16		1 1 1 1 1 1 1 1 1 1	<sup>17</sup> OPERATOR CERTIFICATION
:			I hereby certify that the information contained herein is true
		660	and complete to the best of my knowledge and belief.
	į	660'	Levin C Olson
			Kevin C. Olson
			Printed Name
			Title
			Feb 4, 2002
			Date
			<sup>18</sup> 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
		1 1 1 1 2 3 1 1	my supervision, and that the same is true and correct to the
			best of my belief.
			Date of Survey
			Signature and Seal of Professional Surveyor:
			0.75
			Certificate Number

## NEW MELLICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

2½% H. Bartaman

Effective 1-1-65 tances must be from the outer boundaries of the Se Lease NEW MEXICO FEDERAL "G"Can GRACE PETROLEUM CORP. Unit Letter Section Township Range County 11 11 6 -21-S -32-E LEA Actual Footage Location of Well: 660 4650 SOUTH EAST ieet from the feet from the line and line Ground Level Elev. Producing Formation Dedicated Acreage Undesignated 3653 MORROW 320 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 interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes;" type of consolidation \_\_\_\_\_ To be communitized If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-**CERTIFICATION** I hereby certify that the information conof my Appwledge and belief District /Production Manager Grace Petroleum Corp October 2, 1978 I hereby certify that the well-location 660 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 and correct to the best of my knowledge and belief. te Surveyed
SEP TEMBER 28, 1978 Date Surveyed GRACE PETROLEUM CORP Registered Professional Engil and/of Land Surveye 2.24. KUUICE MAX A SCHUMANN JR Certificate No. 1510 Thumann. Gulf Energy & Mineral Co., U.S.A. Lease 80 acres (Lots 9 & 10) Grace Petroleum Corp. Lease 240 acres (Lots 15& 16 & SE/4 Sec. 6) WI: Grace Pet. Corp. 75% Supron Energy Corp. 25% Royalty: 12½% U.S. Gov't 2½% C. E. Strange

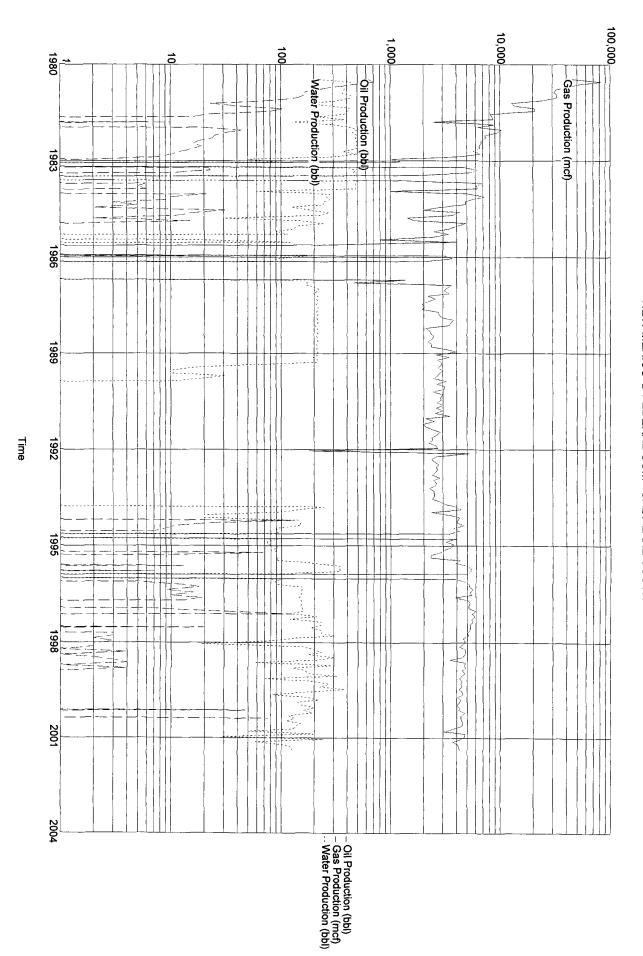
1320 1650

1980 2310 2640

2000

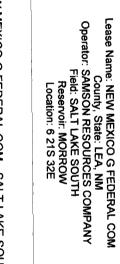
1500

1000

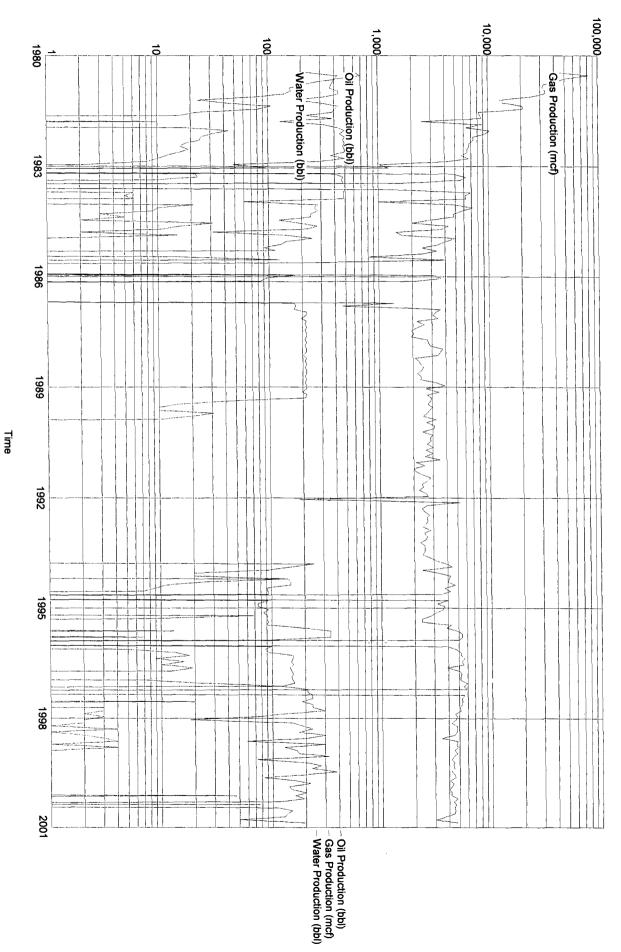


## NEW MEXICO G FEDERAL COM - SALT LAKE SOUTH

Lease Name: NEW MEXICO G FEDERAL COM County, State: LEA, NM Operator: SAMSON RESOURCES COMPANY Field: SALT LAKE SOUTH Reservoir: MORROW Location: 6 21S 32E



# NEW MEXICO G FEDERAL COM - SALT LAKE SOUTH



### Operators in Pre-Approved S. Salt Lake Atoka Pool (84440)

Bass Enterprises Production (1801) P.O. Box 2760 Midland, TX 79702

Breck Operating Corp. (2799) P.O. Box 911 Breckenridge, TX 76424-0911

Central Resources, Inc. (3939) 1775 Sherman Street Suite 2600 Denver, CO 80203

### Operators in Pre-Approved S. Salt Lake Morrow Pool (84480)

Concho Resources, Inc. (166111) 110 W. Louisiana Avenue, Suite 410 Midland, TX 79701

Central Resources Inc. (3939) 1775 Sherman Street, Suite 2600 Denver, CO 80203

EGL Resources Inc. (173413) P.O. Box 371 Midland, TX 79702

Hallwood Petroleum Inc. (9812) P.O. Box 37811 Denver, CO 80237

Mitchell Energy Corp (15025) P.O. Box 4000 The Woodlands, TX 77387

Samson Resources Co. (20165) Two West Second Street Tulsa, OK 74103



February 4, 2002

Bass Enterprises Production PO Box 2760 Midland, Texas 79702

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

To Whom It May Concern:

By receipt of this letter and attached copy of NM Form C107 (Application for Downhole Commingling) the above named company is here by duly notified of Samson Resources request for permission to commingle the S. Salt Lake, Atoka Pool and the S. Salt Lake, Morrow Pool in the NM Fed G #1 well located in Sec 5, T-21S-R32E of Lea County, New Mexico.

If further information is needed, please contact the District Engineer, Kevin Olson, at (918) 591-1821.

Sincerely,

Samson Companies

Sharon Ridge



February 4, 2002

Breck Operating Corp. PO Box 911 Breckenridge, TX 76424-0911

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

To Whom It May Concern:

By receipt of this letter and attached copy of NM Form C107 (Application for Downhole Commingling) the above named company is here by duly notified of Samson Resources request for permission to commingle the S. Salt Lake, Atoka Pool and the S. Salt Lake, Morrow Pool in the NM Fed G #1 well located in Sec 5, T-21S-R32E of Lea County, New Mexico.

If further information is needed, please contact the District Engineer, Kevin Olson, at (918) 591-1821.

Sincerely,

Samson Companies

Sharon Ridge



February 4, 2002

Central Resources, Inc. 1775 Sherman Street Suite 2600 Denver, CO 80203

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E Lea County, New Mexico

To Whom It May Concern:

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Sincerely,

Samson Companies

Sharon Ridge



February 4, 2002

Concho Resources, Inc. 110 W. Louisiana Ave, Suite 410 Midland, TX 79701

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

To Whom It May Concern:

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If further information is needed, please contact the District Engineer, Kevin Olson, at (918) 591-1821.

Sincerely,

 $\Lambda \Lambda$ 

Samson Companies

Sharon Ridge



February 4, 2002

EGL Resources Inc. PO Box 371 Midland, TX 79702

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

To Whom It May Concern:

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Sincerely,

Samson Companies

Sharon Ridge



February 4, 2002

Hallwood Petroleum Inc. PO Box 37811 Denver, CO 80237

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

To Whom It May Concern:

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If further information is needed, please contact the District Engineer, Kevin Olson, at (918) 591-1821.

Sincerely,

Samson Companies

Sharon Ridge



February 4, 2002

Mitchell Energy Corp PO Box 4000 The Woodlands, TX 77387

Re:

Application for downhole commingling

NM Fed G #1 well Sec 5-T21S-R32E

Lea County, New Mexico

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Samson Companies

Sharon Ridge