

DATE 9/16/02	SUSPENSE NA	ENGINEER WJ	LOGGED IN RV	TYPE DHC	APP NO. 226047325
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ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



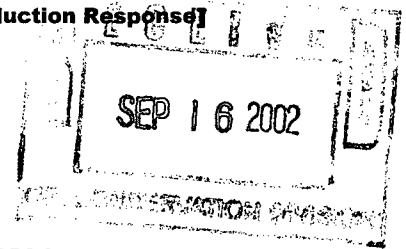
**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

**[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD
- Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
- [D] Other: Specify \_\_\_\_\_



- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, ~~or Does Not Apply~~  
 [A] ☐ Working, Royalty or Overriding Royalty Interest Owners  
 [B] ☐ Offset Operators, Leaseholders or Surface Owner  
 [C] ☐ Application is One Which Requires Published Legal Notice  
 [D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F] ☐ Waivers are Attached

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

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative 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 individual with managerial and/or supervisory capacity.

Jimmy D. Carlile  
 Print or Type Name

*Jimmy D. Carlile*  
 Signature

Regulatory Affairs  
 Coordinator  
 Title

9/9/02  
 Date

jimmyc@forl.com  
 e-mail Address

**FASKEN OIL AND RANCH, LTD.**

303 WEST WALL AVENUE, SUITE 1800  
MIDLAND, TEXAS 79701-5116

(915) 687-1777

September 9, 2002

Mr. David Catanach  
New Mexico Oil Conservation Division  
Engineering Bureau  
1220 South St. Francis Drive  
Santa Fe, NM 87505

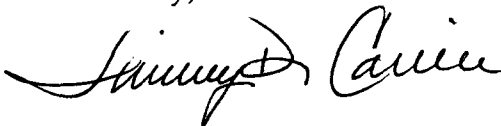
Dear Mr. Catanach,

Re: Fasken Oil and Ranch, Ltd.  
Application for Downhole Commingling  
Howell "29" Com No. 1  
Eddy County, NM 87505

Attached is Fasken Oil and Ranch, Ltd.'s application for downhole commingling for the Howell "29" Com No. 1 well located in Eddy County. The three zones in this well to be completed are all non-commercial in and of themselves, and therefore, must be downhole commingled for reserves to be recovered. Working, royalty and overriding royalty interests are common in this well.

If you have any questions concerning this application please give me a call at (915) 687-1777.

Yours truly,

A handwritten signature in cursive script, reading "Jimmy D. Carlile".

Jimmy D. Carlile  
Regulatory Affairs Coordinator

District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Fasken Oil and Ranch, Ltd. 303 West Wall, Suite 1800 Midland, TX 79701  
Operator Address  
Howell "29" Com No. 1 G, Sec. 29, T20S, R25E Eddy  
Lease Well No. Unit Letter-Section-Township-Range County  
OGRID No. 151416 Property Code 028914 API No. 30-015-21140 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<i>UNDAG</i> Dagger Draw Upper Penn, South	<i>UND</i> Indian Basin Strawn, North	Wildcat (Atoka)
Pool Code	15475	97013	-----
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	8318' - 8442'	8568' - 8576'	8913' - 9038'
Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	50 API/1000 BTU	50 API/1000 BTU	50 API/1000 BTU
Producing, Shut-In or New Zone	New Zone	New Zone	New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: See Attached Rates: 40 MCFPD	Date: See Attached Rates: 20 MCFPD	Date: See Attached Rates: 40 MCFPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 40 % 40 %	Oil Gas 20 % 20 %	Oil Gas 40 % 40 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes X No  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes No  
Are all produced fluids from all commingled zones compatible with each other? Yes X No  
Will commingling decrease the value of production? Yes No X  
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands  
or the United States Bureau of Land Management been notified in writing of this application? Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Jimmy D. Carlile* TITLE Regulatory Affairs Coord. DATE 9/9/02  
TYPE OR PRINT NAME Jimmy D. Carlile TELEPHONE NO. (915) 687-1777

# Fasken Oil and Ranch, Ltd.

## Howell "29" Com No. 1

### Application for Downhole Commingling

#### Additional Data

Production curves for these zones are not available as these are all new completions in this well. Each of these zones is non-commercial in and of themselves, and we anticipate a total production from all three zones to be only 100 MCFPD.

Estimated production rates for each zone follow. These estimates are based on porosity thickness in each zone and shows as we drilled through each zone.

Dagger Draw Upper Penn, South	40 MCFPD
Indian Basin Strawn, North	20 MCFPD
Wildcat (Atoka)	40 MCFPD

Our suggested allocation method is based on porosity thickness in each zone.

All working, royalty and overriding interests in this well are common and therefore, no notice is required.

**District I**

1625 N. French Dr., Hobbs, NM 88240

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**District III**

1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural ResourcesOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised March 17, 1999

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 Number 30-015-21140	<sup>2</sup> Pool Code 15475	<sup>3</sup> Pool Name Dagger Draw Upper Penn, South
<sup>4</sup> Property Code 028914	<sup>5</sup> Property Name Howell "29" Com	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 151416	<sup>8</sup> Operator Name Fasken Oil and Ranch, Ltd.	<sup>9</sup> Elevation 3542

<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	County
G	29	20S	25E		1980	north	2310	east	Eddy

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>6</sup> 	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature <i>Jimmy D. Carlile</i> Printed Name Jimmy D. Carlile Title Regulatory Affairs Coordinator Date September 9, 2002

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## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-21140		<sup>2</sup> Pool Code ----	<sup>3</sup> Pool Name Wildcat (Atoka)
<sup>4</sup> Property Code 028914	<sup>5</sup> Property Name Howell "29" Com		<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 151416	<sup>8</sup> Operator Name Fasken Oil and Ranch, Ltd.		<sup>9</sup> Elevation 3542

<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	County
G	29	20S	25E		1980'	north	2310	east	Eddy

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<sup>6</sup> 	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>
<sup>18</sup> SURVEYOR CERTIFICATION <i>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 and correct to the best of my belief.</i>	Date of Survey Signature and Seal of Professional Surveyer:

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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811 South First, Artesia, NM 88210  
**District III**  
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State of New Mexico  
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised March 17, 1999

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-21140	<sup>2</sup> Pool Code 97013	<sup>3</sup> Pool Name Indian Basin Strawn, North
<sup>4</sup> Property Code 028914	<sup>5</sup> Property Name Howell "29" Com	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 151416	<sup>8</sup> Operator Name Fasken Oil and Ranch, Ltd.	<sup>9</sup> Elevation 3542'

<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	County
G	29	20S	25E		1980'	north	2310'	east	Eddy

<sup>11</sup> 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

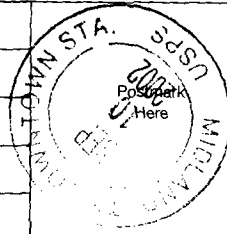
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<sup>16</sup> 	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief		
	Signature Printed Name Jimmy D. Carlile Title Regulatory Affairs Coordinator		
	Date September 9, 2002		
	<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 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:			
Certificate Number			

7001 0320 0004 3745 3379

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Restricted Delivery Fee (Endorsement Required)	
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