

22. June - 07 DATE IN	SUSPENSE	W. Jones ENGINEER	22. June - 07 LOGGED IN	DHC TYPE	PCLP0717344953 APP NO
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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.

Print or Type Name

Signature

Title

Date

e-mail Address

District I
1025 N. Trunch 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 June 10, 2003

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

Operator Samson Resources Company Address 200 N. Loraine St., Suite 1010, Midland, Texas 79701
Lease Eddy GF State Well No 002 Unit Letter-Section-Township-Range K 16-23S-27E Eddy County
OGRID No. 243960 Property Code 35769 API No. 30-015-22378 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<u>UNDES FOREHAND RANCH</u> Carlsbad South, Wolfcamp	Atoka	<u>SOUTH</u> Carlsbad, Morrow
Pool Code	74200		73960
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	9806' - 10183'	10948' - 11436'	11670' - 11894'
Method of Production (Flowing or Artificial Lift)	Flowing	Perf, Acidize, Test	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)	1063 I		1081 I
Producing, Shut-In or New Zone		No Entry	
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: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil: 33 % Gas: 33 %	Oil: -- % Gas: -- %	Oil: 67 % Gas: 67 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ 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 ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

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 ☐ 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 Plot of Test 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 - Not economic without 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 Kenneth Krawietz TITLE District Engineer DATE 6/15/2007

TYPE OR PRINT NAME Kenneth Krawietz TELEPHONE NO (432) 683-7063

E-MAIL ADDRESS kkrawietz@samson.com



Centennial Tower
200 N. Loraine, Suite 1010
Midland, TX 79701
USA
432/683-7063
Fax 432/683-6847

RECEIVED

June 19, 2007

JUN 22 2007

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

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Eddy GF State Com #2
1980' FSL & 1980' FWL
Section 16, T-23-S, R-27-E
Eddy County, New Mexico

Dear Sir/Madam:

The enclosed is submitted in application to commingle zones in the above referenced well:

Form C-107A (Original to Santa Fe and Copy to District II)

Please expedite processing.

If you have further questions, please contact the District Engineer on this project, Mr. Ken Krawietz, (432) 683-7063.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. M. Burditt', written over a horizontal line.

R. M. Burditt
Sr. Engineering Tech

Attachments

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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22378	² Pool Code 74200	³ Pool Name Carlsbad; Wolfcamp South
⁴ Property Code 35769	⁵ Property Name EDDY GF STATE COM	⁶ Well Number 2
⁷ OGRID No. 20165	⁸ Operator Name Samson Resources Co.	⁹ Elevation 3142'

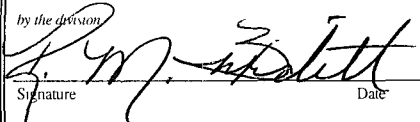
¹⁰ Surface Location

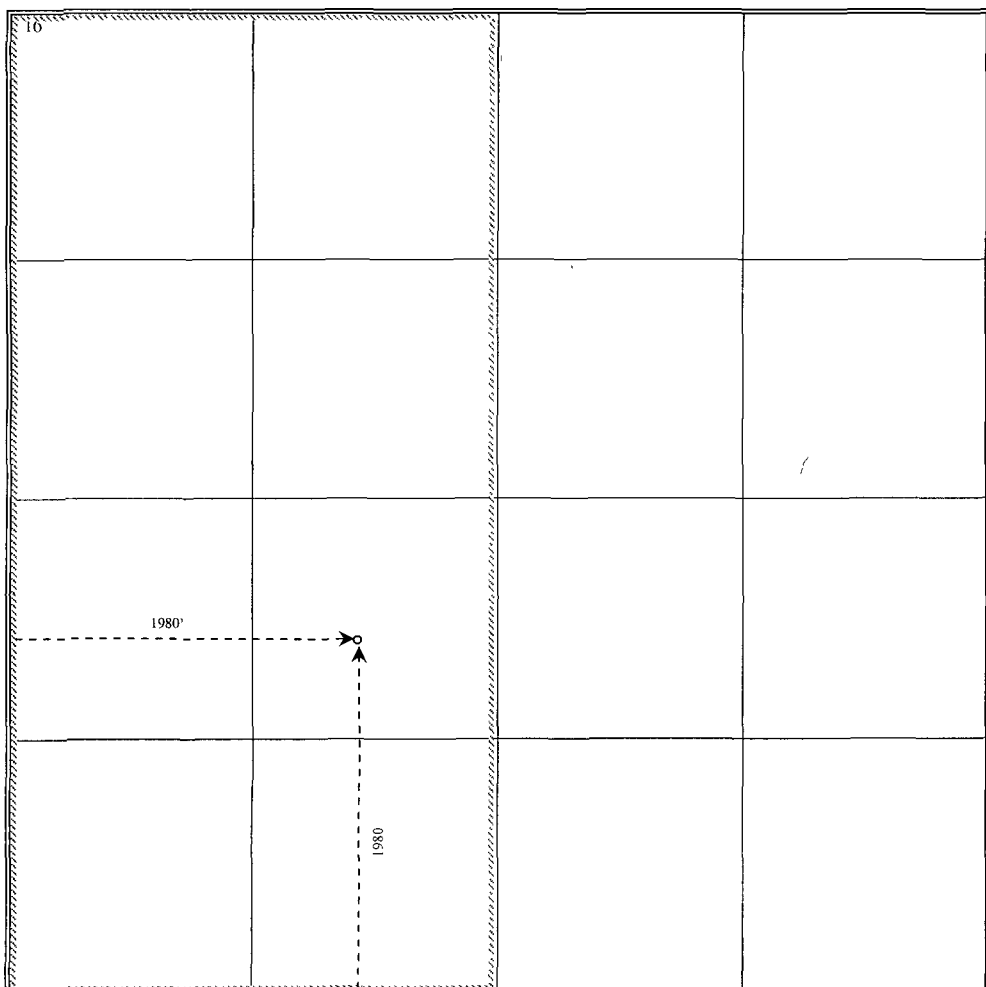
UL or lot no. K	Section 16	Township 23S	Range 27E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 1980	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

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 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

¹⁰				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>  Signature _____ Date _____ R-M Burditt May 31, 2007 Printed Name _____
				¹⁸ 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 Surveyor _____ Certificate Number _____



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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22378	² Pool Code 73800	³ Pool Name Carlsbad; Atoka South
⁴ Property Code 35769	⁵ Property Name EDDY GF STATE COM	⁶ Well Number 2
⁷ OGRID No. 20165	⁸ Operator Name Samson Resources Co.	⁹ Elevation 3142'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	16	23S	27E		1980	South	1980	West	Eddy

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 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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¹⁶ 	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i> Signature _____ Date _____ R M Burditt May 31, 2007 Printed Name	
	¹⁸ 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 Surveyor _____ Certificate Number _____	

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-22378	² Pool Code 73960	³ Pool Name Carlsbad; Morrow South
⁴ Property Code 35769	⁵ Property Name EDDY GF STATE COM	⁶ Well Number 2
⁷ OGRID No. 20165	⁸ Operator Name Samson Resources Co.	⁹ Elevation 3142'

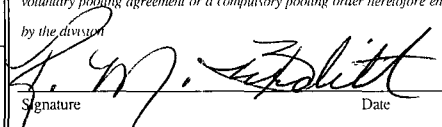
¹⁰ Surface Location

UL or lot no. K	Section 16	Township 23S	Range 27E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 1980	East/West line West	County Eddy
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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 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.

<div><div>16</div><div>1980'</div><div>1980'</div></div>	<div><div>17</div><div>OPERATOR CERTIFICATION</div><div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</div><div><div></div><div>Signature</div><div>Date</div><div>R M Burditt</div><div>May 31, 2007</div><div>Printed Name</div></div></div>		
	<div><div>18</div><div>SURVEYOR CERTIFICATION</div><div>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</div><div>Date of Survey</div><div>Signature and Seal of Professional Surveyor</div><div>Certificate Number</div></div>		

Eddy GF State #2

