

DATE IN <u>4.18.12</u>	SUSPENSE	ENGINEER <u>WVJ</u>	LOGGED IN <u>4.18.12</u>	TYPE <u>DHC</u>	APP NO. <u>12H095/153</u>
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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



RECEIVED  
Burlington  
2012 APR 18  
SOONER #1E

## ADMINISTRATIVE APPLICATION CHECKLIST 30-039-31029

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.

Arleen Kellywood  
 Print or Type Name

Arleen Kellywood  
 Signature

Staff Regulatory Tech  
 Title

4/12/12  
 Date

Sooner #1E  
 30.039-31029

arleen.r.kellywood@conocophillips.com  
 e-mail Address

PC

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 June 10, 2003

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

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

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company LP P.O.Box 4289 Farmington, NM 87499  
Operator Address

SOONER 1E Unit C, Sec. 21, 026N, 007W RIO ARRIBA  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No: 14538 Property Code 27846 API No. 30039310290000 Lease Type: X Federal \_\_\_\_ State \_\_\_\_ Fee

DATA ELEMENT	UPPER ZONE	LOWER ZONE
Pool Name	BASIN MANCOS	BASIN DAKOTA
Pool Code	97232	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6200'-7050' estimated	7360'-7529' estimated
Method of Production (Flowing or Artificial Lift)	New Zone	New Zone
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)	2467psi	3180psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1000	BTU 1189
Producing, Shut-In or 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: N/A  Rates: N/A	Date: N/A  Rates: N/A
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  Will be supplied upon completion	Oil Gas  Will be supplied upon completion

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 [Signature] TITLE Engineer DATE 4/12/12

TYPE OR PRINT NAME Bill Akwari, Engineer TELEPHONE NO. (505) 326-9700

E-MAIL ADDRESS Bill.N.Akwari@conocophillips.com

Sooner 1E  
Unit C, Section 21, T026N, R007W  
Bottomhole  
Unit B, Section 21, T026N, R007W

The Sooner 1E is a Basin Dakota and Basin Mancos new drill. A cased hole neutron log will be run prior to completion to identify the Dakota and Mancos zones. If the Dakota and Mancos horizons can be isolated, a spinner test will be performed and the allocation will be assigned. In the event that the Dakota and Mancos can not be tested separately, a volumetric calculation will be performed to determine the allocation percentages between the Basin Dakota and Basin Mancos. Initial Oil allocation will be the same as the gas initial allocation until the first liquid sale is completed. After completing the first liquid sale and using known Dakota liquid yields from offset Stand Alone wells a system of linear equations will be solved for Mancos liquid yield, and that Mancos liquid yield will be used in conjunction with the Dakota liquid yields to calculate the oil allocations. The oil allocation will be calculated in a way that is a function of individual formation Gas production and Individual formation liquid yields. All documentation will be submitted to the Aztec NMOCD office.

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

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1301 West Grand Avenue, Artesia, N.M. 88210

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DISTRICT IV  
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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

<sup>1</sup> API Number 30-039-31029		<sup>2</sup> Pool Code 71599/97232		<sup>3</sup> Pool Name BASIN DAKOTA/BASIN MANCOS	
<sup>4</sup> Property Code 27846		<sup>5</sup> Property Name SOONER			<sup>6</sup> Well Number 1E
<sup>7</sup> OGRID No. 14538		<sup>8</sup> Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP			<sup>9</sup> Elevation 6988'

#### <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
C	21	26-N	7-W		1020	NORTH	1780	WEST	RIO ARriba

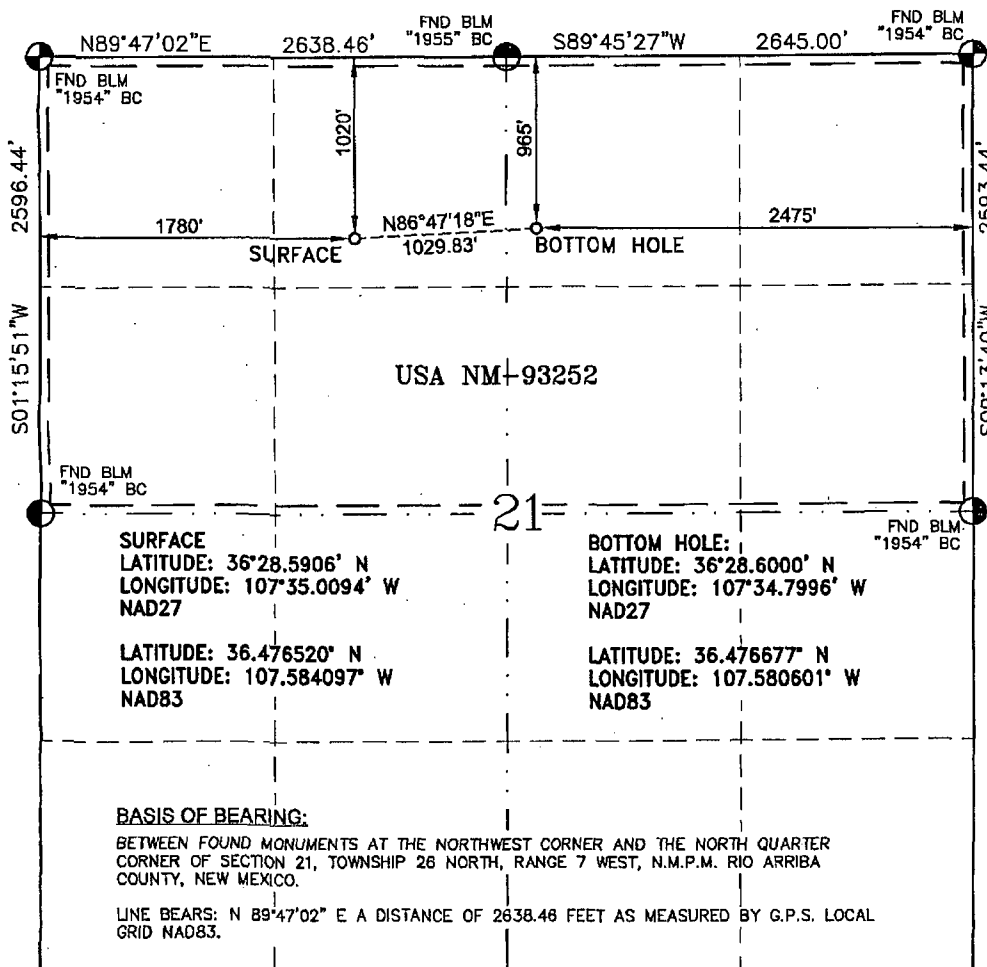
#### <sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	26-N	7-W		965	NORTH	2475	EAST	RIO ARriba

<sup>12</sup> Dedicated Acres DK 320.00 ACRES N/2 MANCOS	<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

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#### 17 OPERATOR CERTIFICATION

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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

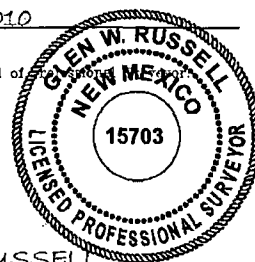
*Arleen Kellywood* 12/6/11  
Signature  
Arleen Kellywood  
Printed Name

#### 18 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.

JUNE 17, 2010  
Date of Survey

Signature and Seal of



GLEN W. RUSSELL  
Certificate Number

15703

SOONER 1E DK

Data: Apr.2012-Apr.2012

Operator: Unknown

Field:

Zone:

Type: Other

Group: None

No

Active

Forecast

Production Cums

Oil: 0.000000 MSTB

Gas: 1,317.754395 MMSCF

Water: 0.000000 MSTB

Cond: 20.468571 MSTB

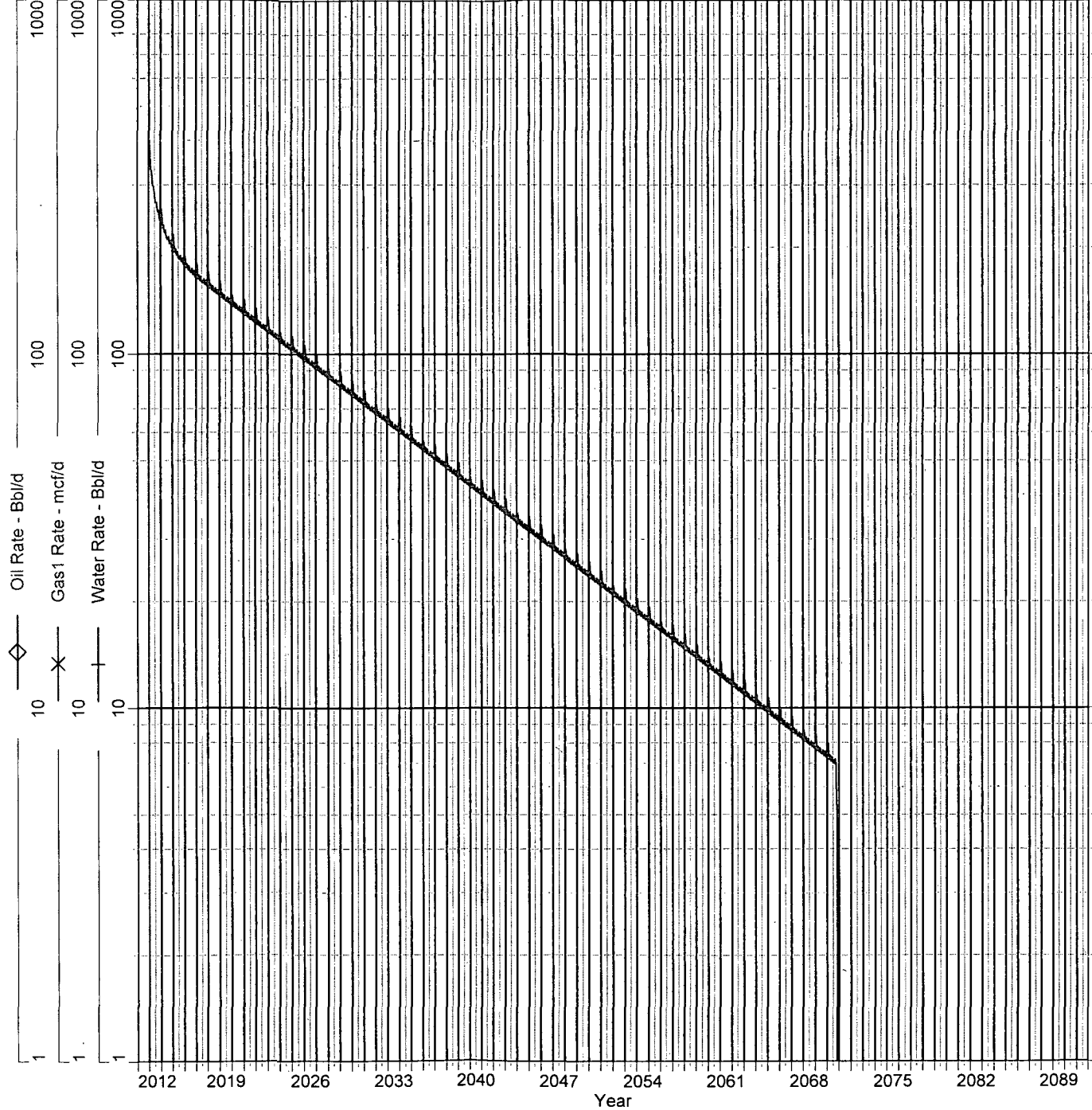
Cum: 0.00

Gas1 Rate - mcf/d

Cum: 0.00

Water Rate - Bbl/d

Cum: 0.00



# SOONER 1E MC

Data: Apr.2012-Apr.2012

Operator: Unknown  
Field:  
Zone:  
Type: Other  
Group: None

No  
Active  
Forecast

Production Cums  
Oil: 4.748723 MSTB  
Gas: 208.000121 MMSCF  
Water: 0.000000 MSTB  
Cond: 0.000000 MSTB

Oil Rate - Bbl/d  
Cum: 0.00  
Gas1 Rate - mcf/d  
Cum: 0.00  
Water Rate - Bbl/d  
Cum: 0.00

