

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

District II
1301 W. Grand Avenue, Artesia, NM 88210

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

APPLICATION TYPE

District III
1000 Rio Brazos Road, Aztec, NM 87410

Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE

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

APPLICATION FOR DOWNHOLE COMMINGLING

RECEIVED 000 No
JUL 24 11:28

Range Operating New Mexico, Inc. 100 Throckmorton St., Ste. 1200, Fort Worth, TX 76102
Operator Address **DAG ~~1220~~ 3921-A**
Elliott B Federal 20 O-6-22S-37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 227588 Property Code 301545 API No. 30-025-39023 Lease Type: Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	✓ Tubb Oil & Gas (O&G)	✓ Drinkard	UNDES Wantz; Abo
Pool Code	60240	19190	62700
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	6291 - 6295	6657 - 6663	6808 - 6884
Method of Production (Flowing or Artificial Lift)	Pumping	Pumping	Pumping
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)	32.1	32.1	32.1
Producing, Shut-In or New Zone	Producing	Producing	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 estimates and supporting data.)	Date: 12-20-2008 Rates: 46/41/69	Date: 12-20-2008 Rates: 48/41/57	Date: 12-20-2008 Rates: 55/14/174
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil 31 % Gas 43 %	Oil 32 % Gas 43 %	Oil 37 % Gas 14 %

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: Administrative Order DHC-3921

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 Paula Hale TITLE Sr. Reg. Sp. DATE 7-23-2009

TYPE OR PRINT NAME Paula Hale TELEPHONE NO. (817) 869-4216

E-MAIL ADDRESS phale@rangeresources.com

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-39023	Pool Code 60240	Pool Name Tubb Oil & Gas
Property Code 301545	Property Name ELLIOTT "B" FEDERAL	Well Number 20
OGRID No. 227588	Operator Name RANGE OPERATING	Elevation 3447'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	22 S	37 E		930	SOUTH	2310	EAST	LEA

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
Dedicated Acres 40	Joint or Infill	Consolidation Code	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

	<p>OPERATOR CERTIFICATION</p> <p>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 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.</p> <p><i>Paula Hale</i> 7-22-2009 Signature Date</p> <p>Paula Hale Printed Name</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p>
	<p>MARCH 23 2009 Date Surveyed</p> <p>Signature of Seal of Professional Surveyor Professional Surveyor</p> <p>W.O.</p>
	<p>Certificate No. Gary L. Jones 7977</p>
	<p>BASIN SURVEYS</p>

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1220 South St. Francis Dr.
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AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-39023	Pool Code 19190	✓ Pool Name Drinkard
Property Code 301545	Property Name ELLIOTT "B" FEDERAL	Well Number 20
OGRID No. 227588	Operator Name RANGE OPERATING	Elevation 3447'

Surface Location

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	<p>SURVEYOR CERTIFICATION</p> <p><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></p> <p>MARCH 11, 2008 Date Surveyed</p> <p><i>Gary L. Jones</i> Signature Seal of Professional Surveyor</p> <p>W.O. Jones</p>
	<p>Certificate No. Gary L. Jones 7977</p>
	<p>BASIN SURVEYS</p>

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OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-39023	Pool Code 62700	Pool Name Wantz; Abo
Property Code 301545	Property Name ELLIOTT "B" FEDERAL	Well Number 20
OGRID No. 227588	Operator Name RANGE OPERATING	Elevation 3447'

Surface Location

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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	<p>SURVEYOR CERTIFICATION</p> <p>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.</p>
	<p>MARCH 1, 2008 Date Surveyed</p> <p>Signature & Seal Professional Surveyor</p> <p>W.O.</p>
	<p>Certificate No. Gary L. Jones 7977</p>
	<p>BASIN SURVEYS</p>



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

Administrative Order DHC-3921
Application Reference Number: pTDS0721850591

RANGE OPERATING NEW MEXICO INC
100 THROCKMORTON STREET, SUITE 1200
FT WORTH, TX 76102

Attention: Paula Hale, Sr. Reg. Sp.

BJ Well No. 002
API No: 30-025-38294
Unit P, Section 17, Township 22 South, Range 37 East, NMPM
Lea County, New Mexico

Pool: Undesignated DRINKARD Oil 19190
Names: Undesignated TUBB OIL AND GAS (Oil) Oil 60240
WILDCAT; ABO

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above-described well to commingle production from the subject pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion or otherwise required separation of the zones is hereby placed in abeyance.

In accordance with Division 303C.(1)(f), the production attributed to any commingled pool within the well shall not exceed the allowable applicable to that pool.

Assignment of allowable to the well and allocation of production from the well shall be as follows.

Undesignated DRINKARD Pool	Pet Gas: 10	Pct Oil: 10
Undesignated TUBB OIL AND GAS (OIL) Pool	Pet Gas: 50	Pct Oil: 50

WILDCAT; ABO Pool	Pct Gas: 40	Pct Oil: 40
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These percentages shall be amended only with written permission of the Division.

REMARKS: The operator shall notify the Hobbs District Office of the Division upon implementation of commingling operations.

Pursuant to Rule 303C(2), the commingling authority granted herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Order approved at Santa Fe, New Mexico on 8/7/2007.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



MARK E. FESMIRE, P.E.
Director

cc: Oil Conservation Division – Hobbs