

Order Number
UHC
HOB-0368

API Number
30-0225-39049

Operator
Range Operating New Mexico Inc

County
Lea / Fee

Order Date
4/07/10

Well Name
Christmas 28

Number
4

Location
C 28 225 37e
UL Sec T (+Dir) R (#Dir)

Oil %
50%

Gas %
70%

Pool 1
06660

Pool 2
19190

Pool 3
62700

Pool 4

Oil %
10%

Gas %
15%

Drinkard

19190

Pool 3
62700

Pool 4

Oil %
40%

Gas %
15%

Wantz Abo

62700

Pool 3
62700

Pool 4

Comments

DOWNHOLE COMMINGLE CALCULATIONS:

DHC-HOB-0368
API# 30-025-39049

OPERATOR: Range Operating New Mexico

PROPERTY NAME: Christmas 28

WNULSTR: #4-C, 28-225-37e

SECTION I:

		ALLOWABLE AMOUNT	
POOL NO. 1	<u>Blinberry Oil & Gas <Oil></u>	<u>107</u> <u>428</u> MCF	<u>4000</u>
POOL NO. 2	<u>Drinkard</u>	<u>142</u> <u>852</u> MCF	<u>6000</u>
POOL NO. 3	<u>Wantz Abo</u>	<u>187</u> <u>1122</u> MCF	<u>6000</u>
POOL NO. 4			

POOL TOTALS 436 3104

SECTION II:

POOL NO. 1	<u>Blinberry Oil & Gas <Oil></u>	<u>8:1</u>	<u>GAS</u>
		<u>50%</u>	<u>70%</u>
POOL NO. 2	<u>Drinkard</u>	<u>10%</u>	<u>15%</u>
POOL NO. 3	<u>Wantz Abo</u>	<u>40% x 436 = 174.4</u>	<u>15%</u>
POOL NO. 4		<u><174></u>	

OIL

GAS

SECTION III:

40% ÷ 187 = 467.5 <468>

SECTION IV:

50% x 467 = 234
10% x 467 = 46.7 <47>
40% x 468 = 187.2 <187>

Submit 1 Copy To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

Form C-103
October 13, 2009

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

WELL API NO. 30-025-39049
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <i>Christmas 28</i>
8. Well Number 004
9. OGRID Number 227588
10. Pool name or Wildcat <i>Blinberry, Drinkard, Wanta</i>

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator Range Operating New Mexico, Inc.	
3. Address of Operator 100 Throckmorton St., Ste. 1200, Fort Worth, TX 76102	
4. Well Location Unit Letter <u>C</u> : <u>697</u> feet from the <u>North</u> line and <u>1681</u> feet from the <u>West</u> line Section <u>28</u> Township <u>22S</u> Range <u>37E</u> NMPM County <u>Lea</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2638	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Per R-11363:

Please see attached.

DHC-AOB-0368

Spud Date: 12-12-2008

Rig Release Date: 12-24-2008

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 4-6-2010

Type or print name Paula Hale E-mail address: phale@rangeresources.com PHONE: 817-869-4216
For State Use Only

APPROVED BY: *[Signature]* TITLE PETROLEUM ENGINEER DATE APR 07 2010
Conditions of Approval (if any):

District I
1625 N French Drive, Hobbs, NM 88240

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

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HOBBSD

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

COPY

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

APPLICATION FOR DOWNHOLE COMMINGLING

Range Operating New Mexico, Inc. 100 Throckmorton St., Ste. 1200, Fort Worth, TX 76102
Operator Address

Christmas 28 004 C-28-22S-37E
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 227588 Property Code 35947 API No. 30-025-39049 Lease Type: ____ Federal ____ State ☒ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blinebry	Drinkard	Wantz;Abo
Pool Code	06660	19190	62700
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	5510-5946	6580-6586	6740-6824
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial 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)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	38.8	38.8	38.8
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: 2-3-2010 Rates: 37/36/221	Date: 2-3-2010 Rates: 7/8/47	Date: 2-3-2010 Rates: 30/7/48
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 50 % 70 %	Oil Gas 10 % 15 %	Oil Gas 40 % 15 %

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.
- 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.

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DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39049	Pool Code 06660	Pool Name Blinebry Oil & Gas (oil)
Property Code 35947	Property Name CHRISTMAS 28	Well Number 4
OGRID No. 227588	Operator Name RANGE OPERATING NEW MEXICO, INC.	Elevation 3355'

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	28	22-S	37-E		697	NORTH	1681	WEST	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		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 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Linda Brown</i> 7/8/08 Signature Date</p> <p><i>Linda Brown</i> 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><i>GARY G. EIDSON</i> 7/8/08 Date Signature & Seal of Professional Surveyor</p>
	<p>Certificate No. GARY EIDSON 12641</p>

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State of New Mexico
Energy, Minerals and Natural Resources Department

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Santa Fe, New Mexico 87505

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Form C-102

Revised October 12, 2005
Submit to Appropriate District Office
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39049	Pool Code 19190	Pool Name Drinkard
Property Code 35947	Property Name CHRISTMAS 28	Well Number 4
OGRID No. 227588	Operator Name RANGE OPERATING NEW MEXICO, INC.	Elevation 3355'

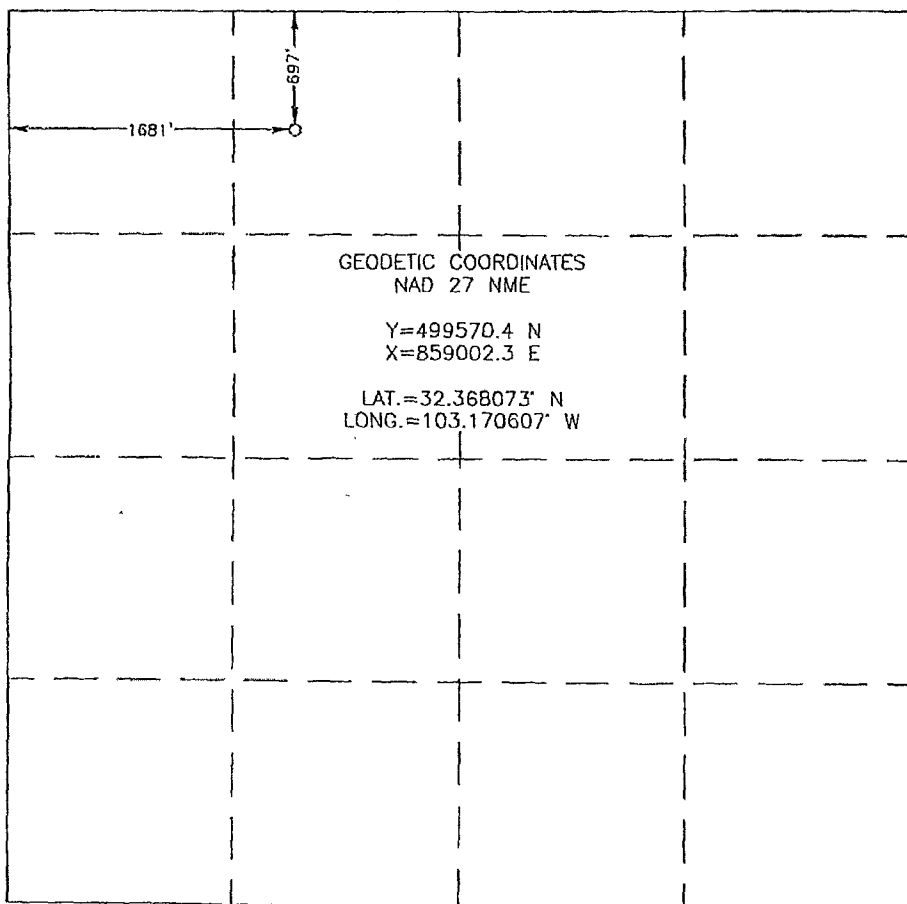
Surface Location

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 <p>GEODETIC COORDINATES NAD 27 NME Y=499570.4 N X=859002.3 E LAT.=32.368073' N LONG.=103.170607' W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Linda Brown</i> 7/9/08 Signature Date Linda Brown 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>JUNE 25 5008 Date Surveyed Signature & Seal of Professional Surveyor 12641 Certificate No. GARY EDSON 12641</p>
--	--

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Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies**WELL LOCATION AND ACREAGE DEDICATION PLAT**☐ AMENDED REPORT

API Number 30-025-39049	Pool Code 62700	Pool Name Wantz; Abo
Property Code 35947	Property Name CHRISTMAS 28	Well Number 4
GRID No. 227588	Operator Name RANGE OPERATING NEW MEXICO, INC.	Elevation 3355'

Surface Location

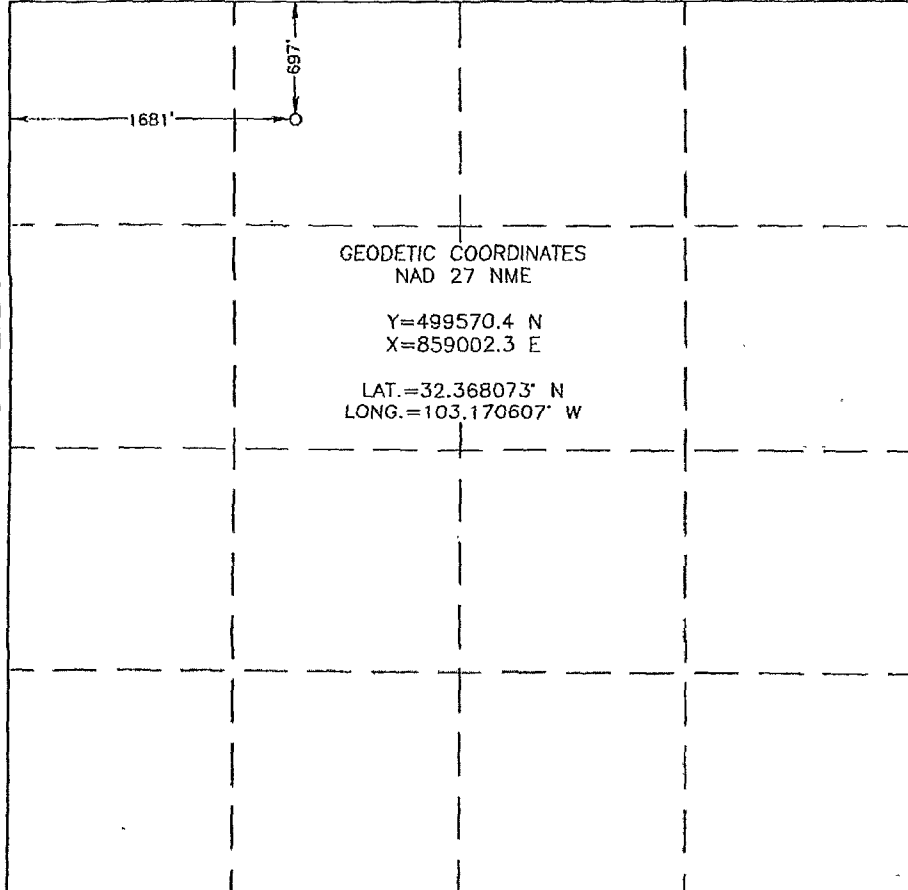
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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	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 Surveyed <u>JUNE 25, 2008</u> LA Signature & Seal of Professional Surveyor <u>GARY EIDSON</u> 12041 Certificate No. GARY EIDSON 12041