

DATE IN	SUSPENSE 10/31/08	ENGINEER W.Y.T.	LOGGED IN 10/31/08	TYPE DFC	APP. NO. 0831471805
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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.

Mike Pippin		Petroleum Engineer	October 28, 2008
Print or Type Name	Signature	Title	Date
		mike@pippinllc.com	
		e-mail Address	

RECEIVED
 2008 OCT 31 PM 1 01

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

☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Operator LIME ROCK RESOURCES A. L.P. c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401
Address

Lease ENRON STATE #12 Well No. D SEC. 32 T17S R28E Unit Letter-Section-Township-Range
County Eddy

OGRID No. 255333 Property Code 27087 API No. 30-015-35050 Lease Type: ☐ Federal ☒ State ☐ Fee

THIS IS PART OF THE BLACK HILLS CLEAN-UP PROGRAM

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	ARTESIA; Queen-Grayburg-San Andres		ARTESIA; Glorieta-Yeso
Pool Code	3230		86830
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2294'-2596'		3429'-3520'
Method of Production (Flowing or Artificial Lift)	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)	34.8		38.32
Producing, Shut-In or New Zone	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: 7/23/08 RATES: 24 BOPD 42 MCF/D	Date: Rates:	Date: 7/23/08 Rates: 10 BOPD 32 MCF/D
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 71% 57%	Oil Gas % %	Oil Gas 29% 54%

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 commingling 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 Mike Pippin TITLE Petroleum Engineer - Agent DATE October 24, 2008

TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. (505) 327-4573

E-MAIL ADDRESS mike@pippinllc.com

LINE ROCK RESOURCES A, L.P.
ENRON STATE #12
Artesia; Glorieta-Yeso & Artesia; Queen-Grayburg-San Andres
D Section 32 T17S R28E
10/24/2008
API#: 30-015-35050

Commingle Allocation Calculations

During workover operations, the new upper zone: Artesia; Queen-Grayburg-San Andres (3230) was tested separately. The new interval was then tested commingled with the existing lower Artesia; Glorieta-Yeso (96830).

	<u>New Upper Zone</u>	<u>Both Zones Together</u>
Oil (bbls/d)	24	34
Gas (mcf/d)	42	74
Water (bbls/d)	47	112

OIL

Upper Zone = 24 bopd

Lower Zone = 34-24=10 bopd

$$\% \text{ Upper Zone} = \frac{24}{34} = 71\%$$

$$\% \text{ Lower Zone} = \frac{10}{34} = 29\%$$

GAS

Upper Zone = 42 mcf/d

Lower Zone = 74-42=32 mcf/d

$$\% \text{ Upper Zone} = \frac{42}{74} = 57\%$$

$$\% \text{ Lower Zone} = \frac{32}{74} = 54\%$$

WATER

Upper Zone = 47 bwpd

Lower Zone = 112-47=65 bwpd

$$\% \text{ Upper Zone} = \frac{47}{112} = 42\%$$

$$\% \text{ Lower Zone} = \frac{65}{112} = 58\%$$

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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 30-015-35050	² Pool Code 3230	³ Pool Name Artesia; Queen-Grayburg-San Andres
⁴ Property Code 27087	⁵ Property Name ENRON STATE	⁶ Well Number 12
⁷ OGRID No. 255333	⁸ Operator Name LIME ROCK RESOURCES A, L.P.	⁹ Elevation 3667' GL

¹⁰ Surface Location

UL or lot no. D	Section 32	Township 17-S	Range 28-E	Lot Idn	Feet from the 330'	North/South line NORTH	Feet from the 500'	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 40	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.

	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: <u>Mike Pippin</u> Date: 10/24/08	
	Printed Name: <u>Mike Pippin</u>	
32	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: 7/10/06	
	Signature and Seal of Professional Surveyor: Dan R. Reddy	
Certificate Number: 5412		

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Form C-102

Revised October 12, 2005

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	<p style="text-align: center; font-size: 2em;">32</p>	<p>¹⁷ OPERATOR CERTIFICATION</p> <p><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></p> <p>Signature: <u>Mike Pippin</u> Date: <u>10/24/08</u></p> <p>Printed Name: <u>Mike Pippin</u></p>
		<p>¹⁸ 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>7/10/06</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor: Dan R. Reddy</p>
		<p>5412</p> <p>Certificate Number</p>

ENRON STATE #12

Current

ARTESIA; Glorieta-Yeso & ARTESIA; Queen-Grayburg-San Andres
(D) Section 32, T-17-S, R-28-E, Eddy County, NM

Today's Date: 10/24/08
Spud: 11/20/06
Completed: 12/21/06
Elevation: 3667' GL

12-1/4" hole

8-5/8" 28# K-55 Csg @ 355'
Cmt w/325 sxs (Circulated cement)

2-7/8" tubing @ 3561'

Grayburg @ 1566'

San Andres @ 1864'

Glorieta @ 3300'

Paddack @ 3420'

ARTESIA; Queen-Grayburg-San Andres
Perfs:3429'-3520'

ARTESIA; Glorieta-Yeso
Perfs:3429'-3520'

PBTD 3635'

7-7/8" hole

5-1/2" 14 & 15.5# Csg @ 3802'
Cmt with 770 sx, Circ Cmt

TD 3802'

Rate/Time Graph

Project: C:\Program Files\IHS Energy\PowerTools v8.0\Projects\LIMEROCK.mdb

Date: 10/27/2008
Time: 10:21 AM

Lease Name: ENRON STATE (12)
County, ST: EDDY, NM
Location: S17 E28 32 NW NW NW

Operator: LIME ROCK RESOURCES A LP
Field Name: ARTESIA

ENRON STATE - 12 GLORIETA YESO S17 E28 32 NW NW NW 12/2006

