

DATE IN 1/2/13	SUSPENSE	ENGINEER	LOGGED IN	TYPE DHC 4601	APP NO. PLWJ 1301560973
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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



LOGAN 2C STATE #3 - 30-015-33111

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 _____

RECEIVED OCD
2013 JAN - 2 A 11:25

[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	December 27, 2012
Print or Type Name	Signature	Title	Date
		mike@pippinllc.com	
		e-mail Address	

LIME ROCK RESOURCES II-A, L.P.,
Mike Pippin
3104 N. Sullivan Avenue
Farmington, NM 87401
505-327-4573 (phone) mike@pippinllc.com

December 28, 2012

NMOCD
Attention: Will Jones
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: C-107A TO COMMINGLE TWO POOLS
LOGAN 2C STATE #3 – API#: 30-015-33111
Unit Letter "C" Section 2 T18S R27E
Eddy County, New Mexico

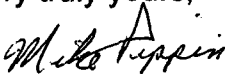
Dear Mr. Jones:

The referenced oil well was completed in the Red Lake, Glorieta-Yeso NE (96836) on 5/28/04. On 2/25/10, the well was recompleted into the Red Lake, Queen-Grayburg-San Andres (51300) with the Yeso perms shut-in below a RBP at 2600'. See the attached wellbore diagram. Lime Rock would like to remove the RBP and commingle the two pools.

Lime Rock is requesting approval to commingle these two pools upon completion of rig operations to remove the RBP. The production allocation will be calculated by subtracting the recent San Andres production test of 7 BOPD and 12 MCF/D from the total well production after about two months of commingled production. We plan to submit these calculations and the resulting allocation to the district office after the well has been on line for about two months.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,



Mike Pippin

Petroleum Engineer

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

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

Form C-107A
Revised June 10, 2003

APPLICATION TYPE

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

APPLICATION FOR DOWNHOLE COMMINGLING

LIME ROCK RESOURCES II-A, L.P.

c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401

Operator

Address

LOGAN 2C STATE #3

C SEC. 2 T18S R27E

DAC-4601
Eddy

Lease

Well No.

Unit Letter-Section-Township-Range

County

OGRID No. 277558 Property Code 308968 API No. 30-015-33111 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	RED LAKE; Queen-Grayburg-San Andres		RED LAKE; Glorieta-Yeso NE
Pool Code	51300		96836
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2060'-2387'		3047'-3459'
Method of Production (Flowing or Artificial Lift)	Pumping		Plan to Pump
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)	690 psi		851 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
Producing, Shut-In or New Zone	Producing		Shut-in below RBP
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: October 14, 2012 RATES: 7 BOPD 12 MCF/D 28 BWPD	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 Gas	Oil Gas % %	Oil Gas

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.

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 December 28, 2012

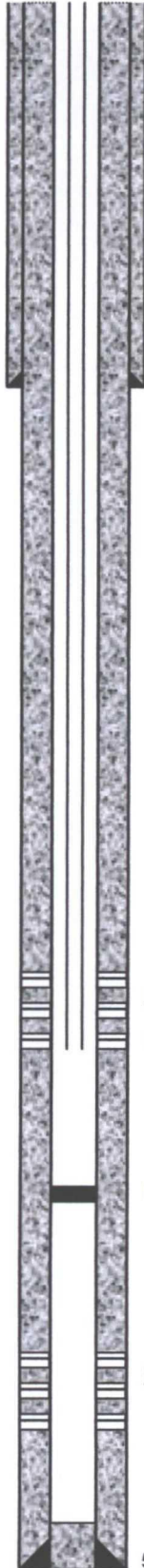
TYPE OR PRINT NAME Mike Pippin TELEPHONE NO. (505) 327-4573

E-MAIL ADDRESS mike@pippinllc.com



**LIME ROCK
RESOURCES**

**Logan 2 C State 3
Sec 2-18S-27E
530' FNL, 2,310' FWL
Elevation – 3,588' (GR)
API #: 30-015-33111
Eddy County, NM**



8-5/8", 24#, Casing @ 470'. 300 "C". TOC @ pit.

Perfs: 2,060' – 2,387' (57 0.38 EHD Holes) 2/12/10

2-7/8"; Tubing @ 2,387'

Stim Info: Acidize perfs with 3,011 Gal 15% HCl

Frac Info: Treated Perfs w 230,945 gal Viking 1200, 133,714# 20/40 brown sand, 26,246# 16/30 Siberprop.

PBTD @ 2,614'

Perfs: 3,047' – 3,459' (40 0.40 EHD Holes) 5/22/04

Stim Info: Acidize perfs with 2,500 Gal 15% HCl

Frac Info: Treated Perfs w 105,360# brown sand, 21,020# Super LC 16/30.

5-1/2", 15.5#, CASING @ 3,666. 795 sacks Poz. TOC @ pit.

TD @ 3,666' (5/18/04)

GEOLOGY

<u>Zone</u>	<u>Top</u>
7 Rivers	368'
Queen	909'
Grayburg	1,368'
San Andres	1,657'
Glorieta	3,037'
Yeso	3,153'

SURVEYS

<u>Degrees</u>	<u>Depth</u>
1/4°	453'
1°	976'
1°	1,517'
1-1/4°	1,995'
1-1/4°	2,481'
1°	2,992'
1-1/4°	3,470'
1°	3,659'

Prepared by: Bryan Willmon

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


Form C-102

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33111	Pool Name RED LAKE; GLORIETA YESO, NORTHEAST	Pool Code 96836
Property Code 33142	Property Name Logan 2C State	Well No. 003
OGRID No. 6137	Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	Elevation 3588

Surface And Bottom Hole Location

UL or Lot C	Section 2	Township 18S	Range 27E	Lot Idn 3	Feet From 530	N/S Line N	Feet From 2310	E/W Line W	County Eddy
Dedicated Acres 40.6		Joint or Infill		Consolidation Code		Order No.			

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Karen Cottom

Title: Operations Technician

Date: 11/19/2003

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.

Surveyed By: Gary Jones

Date of Survey: 10/29/2003

Certificate Number: 7977

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

DISTRICT II

811 South First, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-015-33111	Pool Code 51300	Pool Name Red Lake; Queen-Grayburg-San Andres ✓
Property Code 33142	Property Name LOGAN "2C" STATE	Well Number 3
OCRID No. 6137	Operator Name DEVON ENERGY PRODUCTION CO., L.P.	Elevation 3588'

Surface Location

UL or lot No. C	Section 2	Township 18 S	Range 27 E	Lot Idn	Feet from the 530	North/South line NORTH	Feet from the 2310	East/West line WEST	County EDDY
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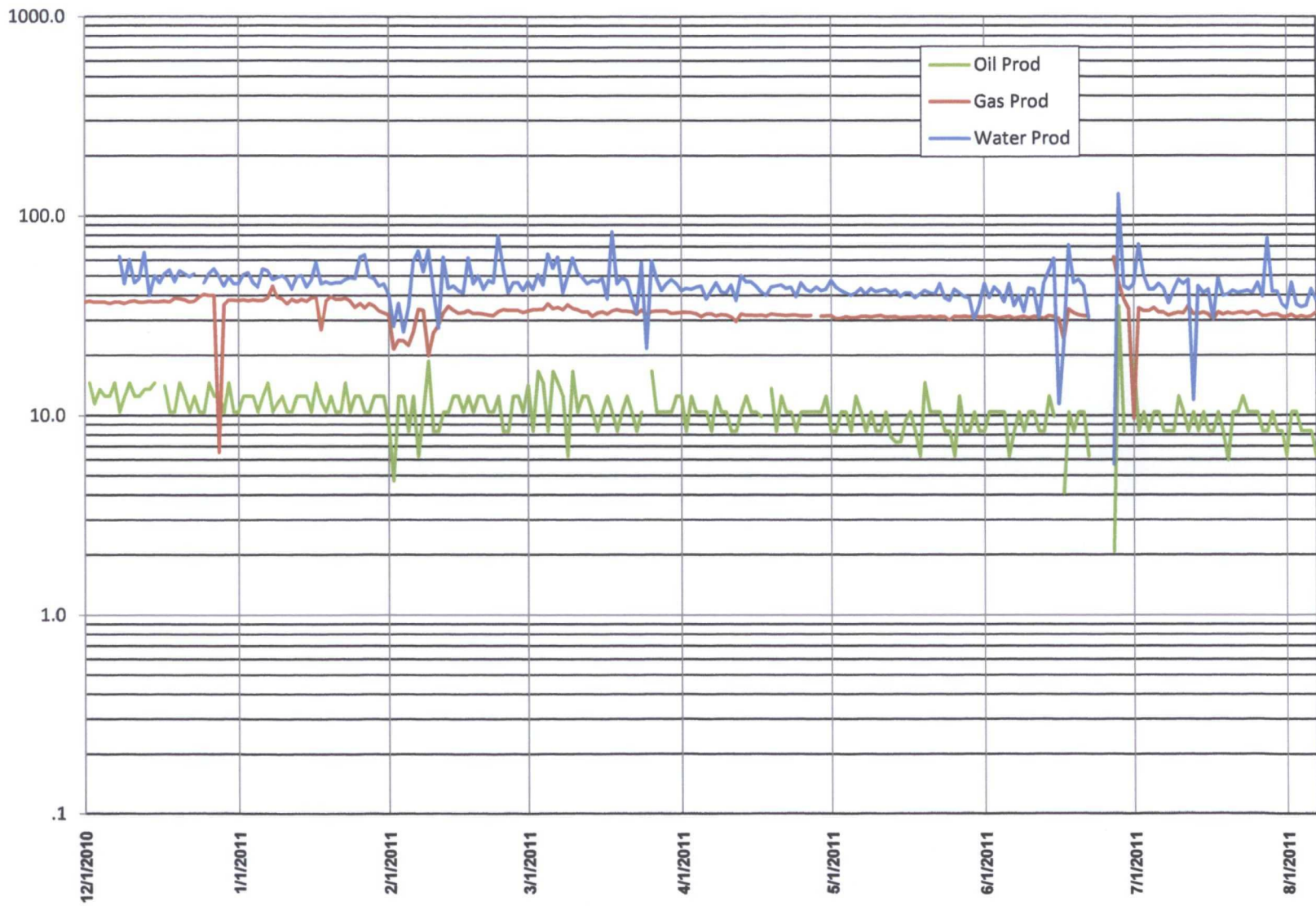
Bottom Hole Location If Different From Surface

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

	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Norvella Adams Printed Name Sr. Staff Eng. Tech Title February 2, 2010 Date
	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. OCTOBER 29, 2003 Date Surveyed Signature Seal of Professional Surveyor Professional Surveyor No. 3669 Certificate No. 7977 BASIN SURVEYS

LOGAN 2C STATE #3 SAN ANDRES PRODUCTION PLOT



LIME ROCK RESOURCES II-A, L.P.
Mike Pippin
3104 N. Sullivan Avenue
Farmington, NM 87401
505-327-4573 (phone) mike@pippinllc.com

December 28, 2012

New Mexico Commissioner of Public Lands
Attention: Pete Martinez
310 Old Santa Fe Trail
PO Box 1148
Santa Fe, NM 87504-1148

RE: Notification of Downhole Commingling
LOGAN 2C STATE #3 – API#: 30-015-33111
Unit Letter "C" Section 2 T18S R27E
Eddy County, New Mexico

Dear Mr. Martinez:

Lime Rock would like to commingle the existing, producing Red Lake, Queen-Grayburg-San Andres interval with the Rid Lake, Glorieta-Yeso NE interval, which is currently shut-in below a retrievable bridge plug. The designated acreage for the proposed commingle will be the northeast quarter of the northwest quarter of section 2.

This letter is to notify you that we have submitted the necessary application and supporting data to the New Mexico Oil Conservation Division. A check for \$30 is enclosed with this notification along with a copy of the State application.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,



Mike Pippin
Petroleum Engineer

Submit 3 Copies 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
June 19, 2008

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

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.)		WELL API NO. 30-015-33111
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator LIME ROCK RESOURCES II-A, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401		7. Lease Name or Unit Agreement Name LOGAN 2C STATE
4. Well Location Unit Letter <u>C</u> : <u>530</u> feet from the <u>NORTH</u> line and <u>2310</u> feet from the <u>WEST</u> line Section <u>2</u> Township <u>18-S</u> Range <u>27-E</u> NMPM <u>Eddy</u> County		8. Well Number <u>#3</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3588' GL		9. OGRID Number <u>277558</u>
		10. Pool name or Wildcat Red Lake, Glorieta-Yeso NE (96836) Red Lake, Queen-Grayburg-San Andres (51300)

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☒

OTHER: Remove the RBP @ 2600' & Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

LIME ROCK would like to remove the RBP @ 2600' & commingle the existing, producing San Andres perfs (2060'-2387') with the Yeso perfs (3047'-3459'), which are currently shut-in below the RBP. A C-107A commingle application has been filed with the Santa Fe NMOCD office.

Spud Date: 5/11/04

Drilling Rig Release Date: 5/28/04

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 12/28/12

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):