

DATE: 07/31/2013	SUSPENSE	ENGINEER: PG	LOGGED IN: 8/1/2013	TYPE: DHC	APP NO: AXK 1371334889
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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



WILLIAMS B FEDERAL #5 -- 30-015-35545

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

RECEIVED OGD
 2013 JUL 31 A 11:04

[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	July 30, 2013
Print or Type Name	Signature	Title	Date
		mike@pippinllc.com	
		e-mail Address	

LRE OPERATING, LLC
Mike Pippin
3104 N. Sullivan Avenue
Farmington, NM 87401
505-327-4573 (phone) mike@pippinllc.com

July 30, 2013

NMOCD
c/o Phil Goetze
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: C-107A TO COMMINGLE TWO POOLS
WILLIAMS B FEDERAL #5– API#: 30-015-35545
Unit Letter "G" Section 29 T17S R28E
Eddy County, New Mexico

Dear Mr. Goetze,

The referenced oil well was completed on July 13, 2007 in the Artesia, Glorieta-Yeso (96830). On July 10, 2013, the well was recompleted into the upper pool, the Red Lake, San Andres (97253). The well is currently producing as a single San Andres oil well. We would like to commingle the two pools by drilling out the CBP currently segregating the two intervals. Interests in these two pools are identical. A commingle application has also been submitted to the BLM.

The production allocations will be calculated by subtracting the current (Yeso) production of 4 BOPD and 34 MCF/D from the total well production after about two months of commingled production. We plan to submit these calculations and the resulting allocations to the district office after the well has been on line for about 2 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 Rancho 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 LRE OPERATING, LLC c/o Mike Pippin LLC (agent), 3104 N. Sullivan, Farmington, NM 87401
Address

Lease WILLIAMS B FEDERAL #5 Well No. G SEC. 29 T17S R28E Eddy County
Unit Letter-Section-Township-Range

OGRID No. 281994 Property Code 309867 API No. 30-015-35545 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	RED LAKE; -San Andres		ARTESIA: Glorieta-Yeso
Pool Code	97253		96830
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1932'-3176'		3291'-3502'
Method of Production (Flowing or Artificial Lift)	Plan to Pump		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)	690 psi		851 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
Producing, Shut-In or New Zone	New Zone		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: RATES:	Date: Rates:	Date: 8/6/12 Rates: 4 BOPD 34 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	Oil Gas % %	Oil Gas

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐
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 July 30, 2013

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

E-MAIL ADDRESS mike@pippinllc.com

WILLIAMS B FEDERAL #5

Current 7/30/13

Red Lake; Glorieta-Yeso

Red Lake; San Andres

API#: 30-015-35545

(G) Section 29, T-17-S, R-28-E, Eddy County, NM

Spud: 6/11/07

12-1/4" hole

Yeso Completed: 7/13/07

San Andres Completed: 7/10/13

Yate @ 680'

7 Rivers @ 940'

Queen @ 1244'

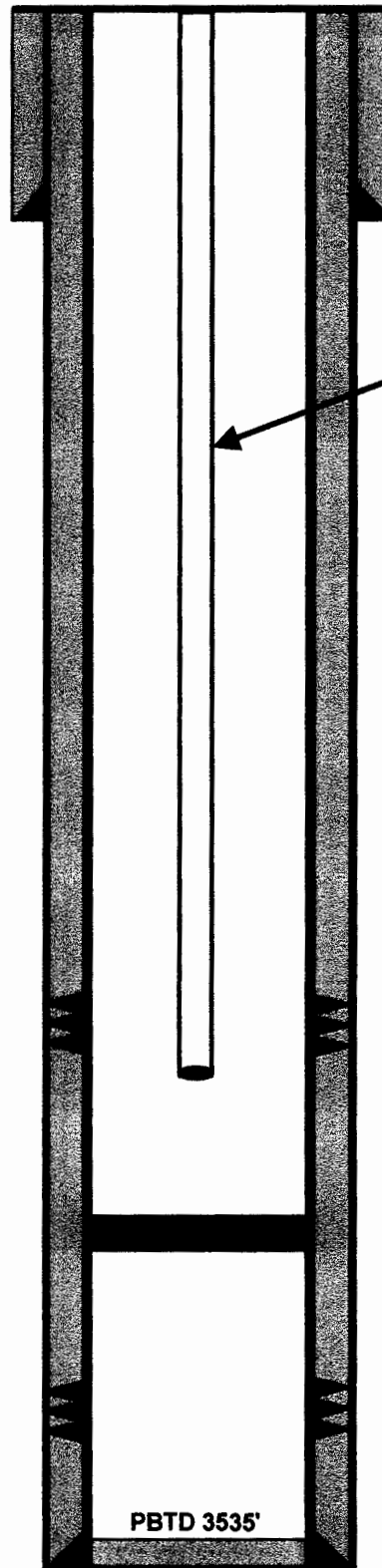
Grayburg @ 1562'

San Andres @ 1880'

Glorieta @ 3264'

Yeso @ 3374'

7-7/8" hole



8-5/8" 24# Csg @ 459'
Cmt w/375375 sx
Circ cmt to Surface

2-7/8" tubing @ 3216'

San Andres Perfs: 1932'-3176'

5-1/2" CBP @ 3250'

Yeso Perfs: 3291'-3502'

5-1/2" 15.5# Csg @ 3562'
Cmt with 750 sx
Circ cmt to Surface

TD 3570'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

NMLC 046250B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

WILLIAMS B FEDERAL #5

9. API Well No.

30-015-35545

10. Field and Pool, or Exploratory Area

Artesia: Glorieta-Yeso (96830)

Red Lake, San Andres (97253)

AND

Eddy County, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

LRE OPERATING, LLC

3a. Address c/o Mike Pippin LLC

3104 N. Sullivan, Farmington, NM 87401

3b. Phone No. (include area code)

505-327-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 2230' FEL Unit G

Sec. 29, T17S, R28E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>Drill CBP & DHC</u>
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

LRE would like to DHC this well as follows: TOH w/all production equipment. Drill out 5-1/2" CBP @ 3250' & CO to ~PBTD3535', & land 2-7/8" tbg @ ~3500'. Run pump & rods & release rig. SA perms: 1932'-3176'. Yeso perms: 3291'-3502'.

LRE requests administrative approval to downhole commingle the existing Artesia, Glorieta-Yeso (96830) and the existing Red Lake, San Andres (97253). Both intervals have common ownership (Category 1), we have not experienced any significant cross flows, & all the fluids are compatible. Downhole commingling will maximize the ultimate recovery of oil & gas, eliminate redundant surface equipment, & maximize productivity. Notice has been filed concurrently on form C-107A with the State. The production allocation will be calculated by subtracting the total well production after about two months of commingled production from the current (Yeso) production of 4 BOPD and 34 MCF/D. We plan to submit these calculations and the resulting allocation to your office after the well has been on line for about 2 months. Any well flowback will be through a closed loop system.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Mike Pippin

Title

Petroleum Engineer (Agent)

Signature

Mike Pippin

Date

July 30, 2013

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

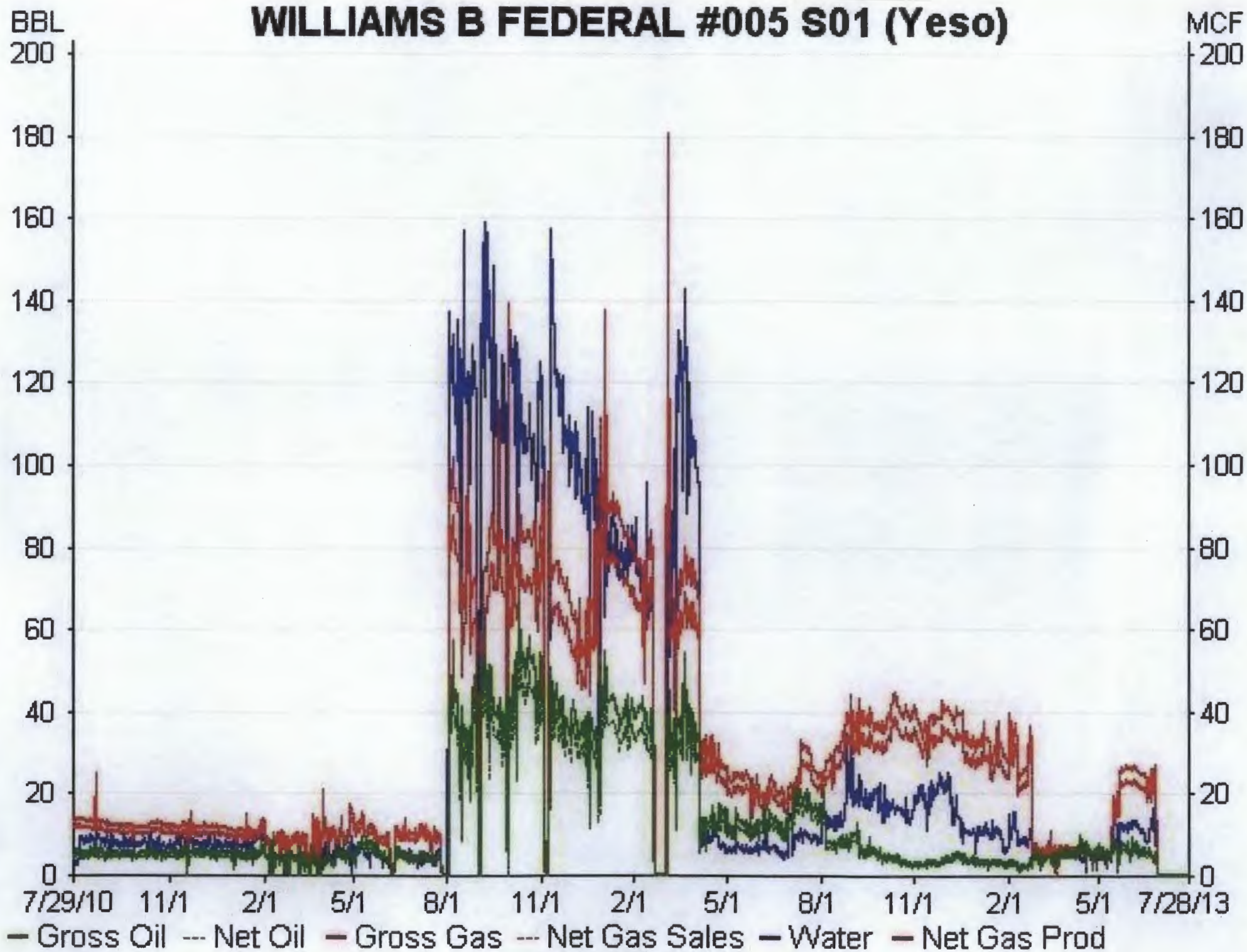
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WILLIAMS B FEDERAL #005 S01 (Yeso)



DISTRICT I

1826 N. FRENCH DR., HOBBES, NM 88240

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Grande Ed., Artesia, 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-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	Pool Code 96830	Pool Name Artesia, C - <u>Gloria-Geo</u>
Property Code 27688	Property Name WILLIAMS B FEDERAL	Well Number 5
OGED No. 020451	Operator Name SDX RESOURCES, INC.	Elevation 3638'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	29	17-S	28-E		1980	NORTH	2230	EAST	EDDY

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.
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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

<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=657260.9 N X=542171.3 E</p> <p>LAT.=32.806824° N LONG.=104.196079° 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><u>Bonnie Atwater</u> 3/2/07 Signature Date</p> <p>Bonnie Atwater 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>FEBRUARY 15, 2007 Date Surveyed</p> <p><u>G. EIDSON</u> LA Signature & Seal of Professional Surveyor</p> <p><u>12641</u> 12641</p> <p>07.11.0212</p> <p>Certificate No. GARY EIDSON 12641</p>
--	--

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, 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 & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

F

Revised October

Submit to Appropriate Dis

State Lease

Fee Lease

☐ AMENDEL

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-35545	² Pool Code 97253	³ Pool Name RED LAKE, San Andres
⁴ Property Code 309867	⁵ Property Name WILLIAMS B FEDERAL	⁶ Well Number 5
⁷ OGRID No. 281994	⁸ Operator Name LRE OPERATING, LLC.	⁹ Elevation 3638' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	29	17-S	28-E		1980	NORTH	2230	EAST	EDDY

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.
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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.

	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 in the land including the proposed bottom hole location or has a contract with an owner of such a working interest, or to a voluntary pooling agreement or a compulsory pooling agreement heretofore entered by the division.
	Signature: <i>Mike Pippin</i> Date: 4/12/13 Printed Name: Mike Pippin
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat is 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 of Survey: 2/15/07 Signature and Seal of Professional Surveyor: Gary G. Eidson Certificate Number: 12641