

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]

NSL-7377
 -LOGOS OPERATING, LLC
 289408

- [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 _____

2015 SEP - 8 A 8: 23
 RECEIVED OOD

- [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

- well
 - LOGOS JICAM 11/24/2015
 30-039-Pending
 Pool
 - Basin mancos
 97232

[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.

Tamra Sessions
 Print or Type Name

Tamra Sessions
 Signature

Regulatory Specialist
 Title

9-2-15
 Date

tsessions@logosresourcesllc.com
 e-mail Address



4001 N. Butler Ave
Farmington, NM 87401
Phone: (505) 215-8215
Fax: (303) 974-1767

September 2, 2015

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

Re: Logos Operating, LLC
Request for Administrative Approval
Unorthodox Well Location and Non-Standard Spacing Unit
Basin-Mancos Gas Pool - 97232
Logos Jicarilla 24D
API No. - Not yet Granted
807 FNL & 215 FWL
NW/4NW/4 Section 24, T26N, R05W
Rio Arriba County, New Mexico

To whom it may concern:

Logos Operating, LLC (Logos) hereby requests administrative approval for an unorthodox location and non-standard spacing unit for the Logos Jicarilla 24D pursuant to Division Rules pertaining to Basin-Mancos Gas Pool (97232). Logos intends to drill the Logos Jicarilla 24D as a vertical well at an unorthodox well location to be located 807' FNL and 215' FWL of Section 24, T26N, R05W NMPM in Rio Arriba County, New Mexico. The NW/4 of Section 24 will be dedicated to the well.

The standard spacing unit required under Order R-12984 covering the Basin-Mancos Gas Pool is 320 acres. Rule 3(B) of Order R-12984 allows, where any quarter section cannot be paired with another quarter section in the same section, a non-standard unit may be administratively approved by the Aztec district office, without the filing of an application other than an APD with a plat attached demonstrating that such quarter section is a stranded unit. As shown on Exhibit "B," the Tapacito-Gallup Associated Pool (58090) covers the E/2 and the SW/4 of Section 24, T26N, R5W. Consequently, the NW/4 of said Section 24 cannot be combined with any other quarter section of said Section 24 which is covered by the Basin-Mancos Gas Pool. Logos requests classification of this spacing unit as a Stranded Unit under R-12984 Rule 3(B).

The Basin-Mancos Gas Pool requires a 660' setback from the outer boundary of a spacing unit. Because the Logos Jicarilla 24D is to be located 215' FWL of Section 24, T26N, R5W, the proposed location is unorthodox by 445' to the west. Logos seeks an exception from the well location rules governing the Basin-Mancos Gas Pool because the chosen

location will maximize operational efficiencies and will avoid cultural issues identified as part of the BIA and Jicarilla Apache Nation onsite process.

EnerVest Operating, LLC, presently operates all spacing units covering the affected formation surrounding the 160 acre spacing unit proposed in this letter, and all such surrounding spacing units share common ownership. Please see Exhibit "C" and Exhibit "D." A copy of this application for unorthodox location and non-standard spacing unit has been mailed to EnerVest Operating, LLC, the Farmington Field Office of the United States Bureau of Land Management and to the Jicarilla Oil and Gas Administration.

Thank you for your consideration. If any additional information is required, please do not hesitate to contact me at 505-436-2606.

Sincerely,



Tamra Sessions
Regulatory Specialist
Logos Resources, LLC

cc: Jicarilla Oil and Gas Administration
P.O. Box 146
Dulce, NM 87528

Bureau of Land Management
Farmington Field Office
6251 College Blvd. Suite A
Farmington, NM 87402

Exhibit A

Form 3160-3
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OASB No. 1004-0137
Expires October 31, 2014

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. Jicarilla Apache Lease #108
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Jicarilla Apache Nation
2. Name of Operator Logos Operating, LLC		7. If Unit or CA Agreement, Name and No.
3a. Address 4001 North Butler Ave, Building 7101 Farmington, NM 87401		8. Lease Name and Well No. Logos Jicarilla 24D
3b. Phone No. (include area code) 505-330-9333		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 807' FNL 215' FWL, NW/NW At proposed prod. zone same as above		10. Field and Pool, or Exploratory Basin Mancos
11. Sec., T, R, M. or Blk. and Survey or Area Sec 24, T28N R05W, UL D		12. County or Parish Rio Arriba
14. Distance in miles and direction from nearest town or post office* 20 miles NE of Counselor, NM		13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drng. unit line, if any) 1833' FSL	16. No. of acres in lease 2560.0 acres	17. Spacing Unit dedicated to this well N/2 = 320 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1040' Jicarilla C 2N	19. Proposed Depth ~7336'	20. BLM/BIA Bond No. on file BIA 1062402
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6644' GL	22. Approximate date work will start* 10/01/2015	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM. |
|---|---|

25. Signature	Name (Printed Typed) Kristy Graham	Date 07/29/2015
---------------	---------------------------------------	--------------------

Title
Production Engineer

Approved by (Signature)	Name (Printed Typed)	Date
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Title
Office

Application approval 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.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Continued on page 2)

*(Instructions on page 2)

CONFIDENTIAL

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II
811 E. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-8720

DISTRICT III
1000 Rio Bravo Rd., Artesia, N.M. 87410
Phone: (505) 334-8176 Fax: (505) 334-8176

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87506
Phone: (505) 478-3460 Fax: (505) 478-3462

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 August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 97232		³ Pool Name BASIN MANCOS	
⁴ Property Code		⁵ Property Name LOGOS JICARILLA			⁶ Well Number 24D
⁷ OGRID No. 289408		⁸ Operator Name LOGOS OPERATING, LLC			⁹ Elevation 6644

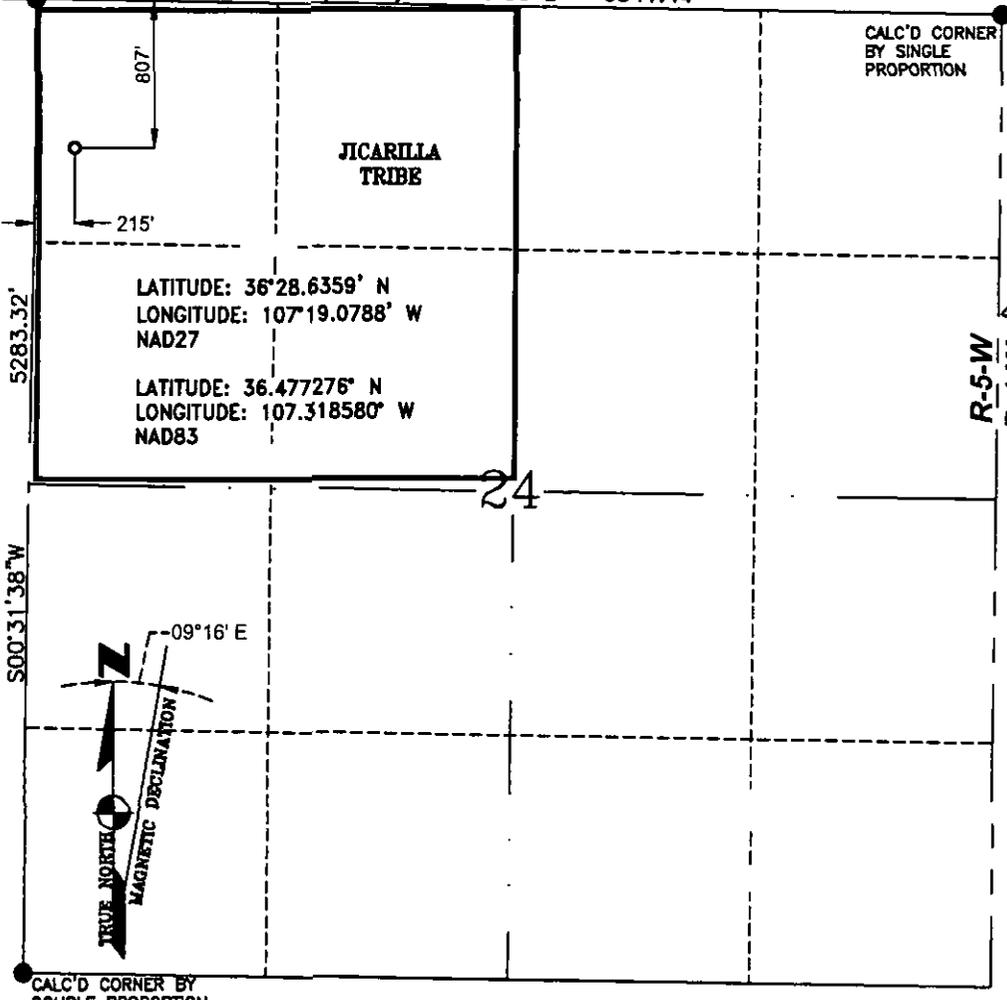
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	26-N	5-W		807	NORTH	215	WEST	RIO ARRIBA

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 160 acre NW4		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

¹⁶ 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
CALC'D CORNER BY DOUBLE PROPORTION (B.O.B.) S88°59'55"E - 5341.44'



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 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Tamra Sessions 8/28/15
Signature Date
Tamra Sessions
Printed Name
tsessions@logosresourcesllc.com
E-mail Address

18 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.

APRIL 24, 2015
Date of Survey
Signature and Seal of Glen W. Russell
GLEN W. RUSSELL
Certificate Number 15703

**LOGOS OPERATING, LLC.
DRILLING PLAN**

III. Drilling

a. Contractor: To be determined.

b. Mud Program:

The surface hole will be drilled with a fresh water mud.

The production hole will be drilled with a fresh water mud and will use bentonite to increase the viscosity. The weighting material will be drill solids or if conditions dictate, barite. The maximum mud weight expected in 9.2 ppg. The water loss will be controlled to a 6-8 cc/30 min. and loss circulation will be controlled with cedar fiber, paper, etc.

The Mancos, and Gallup formations will all be considered for completion in this well. A completion procedure will be developed after evaluating the wireline and mud logs.

c. Minimum Blowout Control Specifications:

Double ram type 2000 psi working pressure BOP with a rotating head. See the attached Exhibit #1 for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up to 250 psi (Low) for 5 minutes and 1,500 psi (High) for 10 minutes. All tests and inspections will be recorded in the daily drilling tour book.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

IV. Materials

a. Casing Program

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	500'	9-5/8"	36# J or K-55
7-7/8"	7336'	5-1/2"	17# P-110

b. Float Equipment:

- i. Surface Casing: Notched collar, aluminum insert float in the first collar, and 3 centralizers on the bottom 3 joints.
- ii. Production Casing: 5-1/2" cement float shoe and self-fill insert float collar. Place float one joint above shoe. **Place DV tool at 5681'**. Place ten centralizers spaced every other joint above the shoe, two turbolizers on the collars below the DV tool and two turbolizers above the DV tool. Place five turbolizers every third joint from the top of the well.

**LOGOS OPERATING, LLC.
DRILLING PLAN**

V. Cementing:

Note: Cement volumes will be adjusted based on actual conditions.

Surface casing: 9-5/8" – use 225 sx (266 cu. ft.) of Type V with 2% CaCl₂ and ¼ #/sk Celloflake (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG). 100% excess to circulate cement to surface. WOC 12 hours. Pressure test surface casing to 1500 psi.

Production casing: 5-1/2" – Before cementing circulate hole with at least 1-1/2 hole volumes of mud. Precede cement with 30 bbls of fresh water. **1st stage:** Lead with 260 sx (458 cu. ft.) of Cl "B" 65/35 poz with 6% gel, 1% CaCl₂, 4% Phenoseal, and ¼ #/sx Celloflake (Yield = 1.6 cu. ft./sk; slurry weight = 12.8 PPG). **Tail** with 100 sx (146 cu. ft.) of Cl "B" 50/50 poz with 0.15% dispersant, 1% CaCl₂ and ¼ #/sk. Celloflake. (Yield 1.46 cu.ft./sk; slurry weight = 13.0 PPG). **2nd stage:** Precede cement with 20 bbls of water. **Lead** with 600 sx (1056 cu. ft.) Cl "B" 65/35 poz with 6% gel, 1% CaCl₂, and ¼ #/sx Celloflake (Yield = 1.76 cu. ft./sk; slurry weight = 12.8 PPG). **Tail** with 100 sx (146 cu. ft.) of Cl "B" 50/50 poz with 0.15% dispersant, 1% CaCl₂, and ¼ #/sk. Celloflake. (Yield = 1.46 cu. ft./sk; slurry weight = 13.0 PPG). Total cement volume is 1806 cu. ft. (50% excess to hole volume to circulate cement to surface).

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **JAN 108**

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

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

2. Name of Operator
Logos Operating, LLC

8. Well Name and No. **Logos Jicarilla 24D**

3a. Address **4001 North Butler Ave, Bldg 7101
Farmington, NM 87401**

3b. Phone No. (include area code)
(505) 436-2606

10. Field and Pool or Exploratory Area
Basin Mancos

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
807' FNL & 215' FWL (NW/NW) Sec 24, T26N, R05W, UL D

11. Country or Parish, State
Rio Arriba, NM

12. CHECK THE 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"/> Hydraulic Fracturing	<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
	<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 Operation: 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Logos wishes to change the dedicated acres as submitted with the APD (320 acres) to 160 acres in accordance with Basin Mancos Order R-12984 Rule 3 (B) for a stranded unit. This would eliminate the need for a spacing exception for a possible future second vertical well in the spacing unit. Attached is an updated C-102.

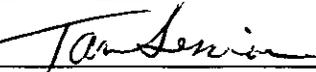
14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Tamra Sessions

Regulatory Specialist

Title

Signature



Date

09/02/2015

THE SPACE FOR FEDERAL OR STATE OFFICE 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 and Title 43 U.S.C Section 1212, make 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.

Exhibit B

Pools

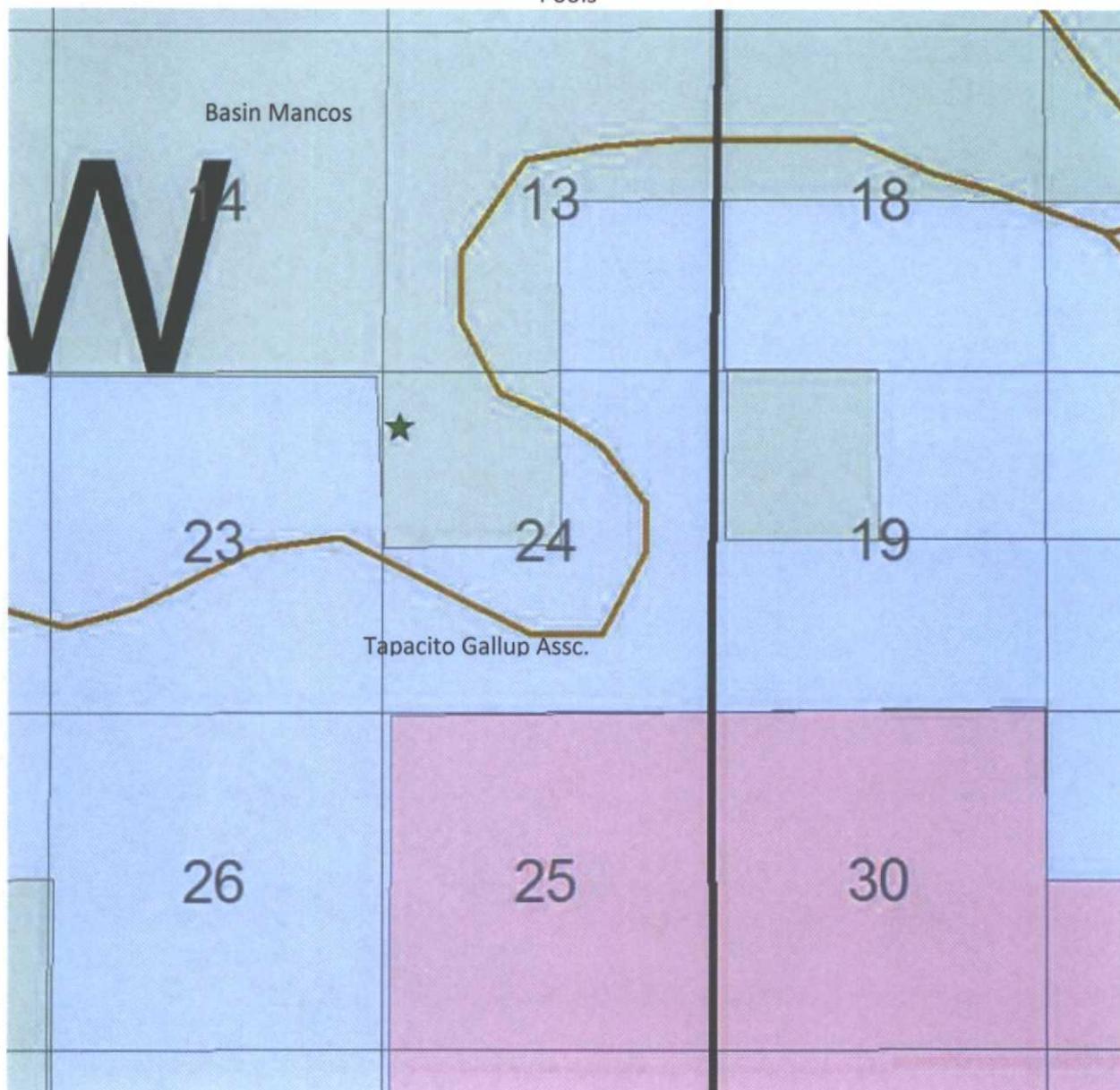


Exhibit C

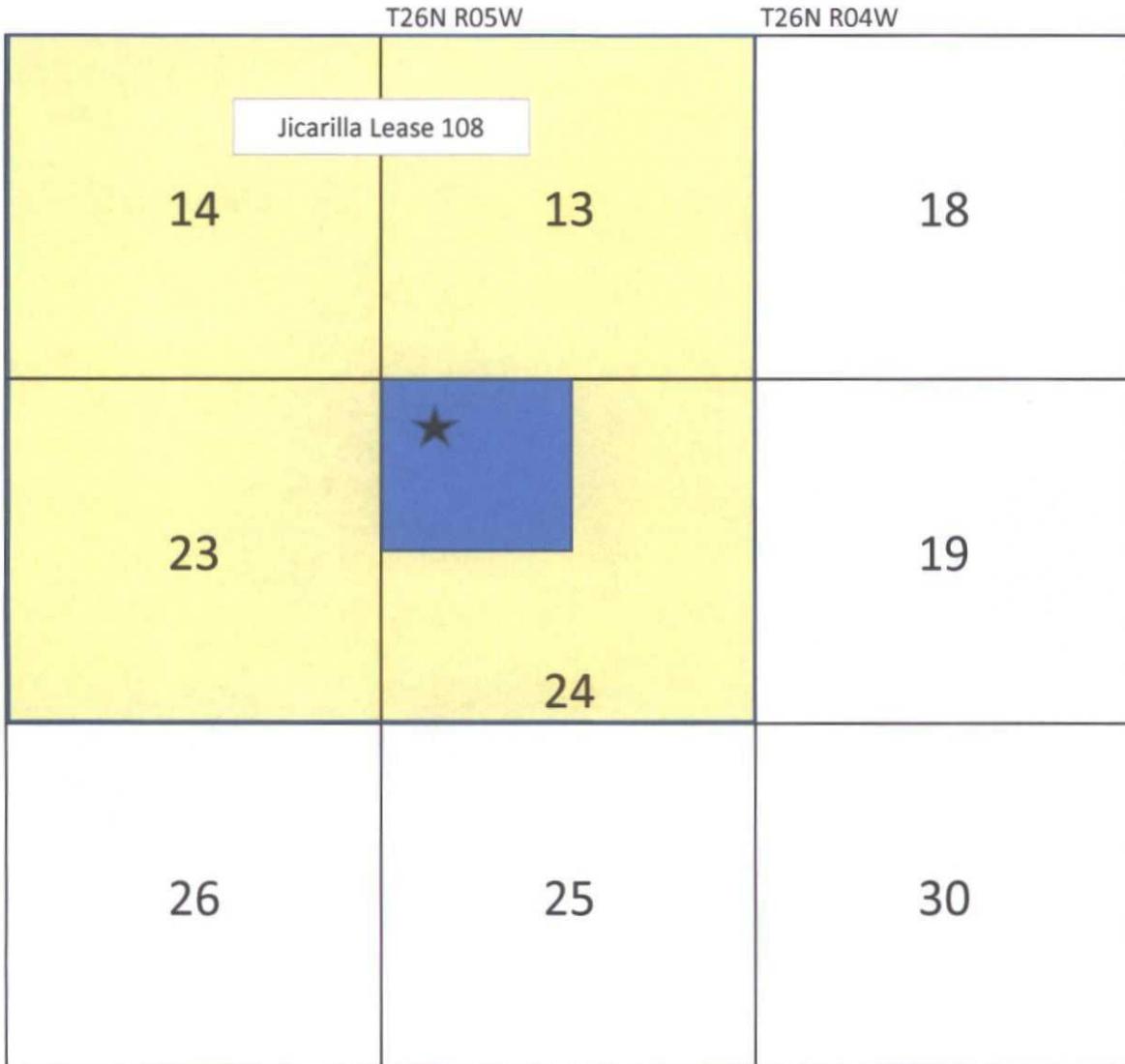


Exhibit D

Affected Operators

EnerVest Operating, LLC
1001 Fannin Street Suite 800
Houston, TX 77002-6707

PLACE STICKER ON TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. SOLD AT POST OFFICE.
CERTIFIED MAIL™



7013 2250 0001 2785 5293
7013 2250 0001 2785 5293

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

Sent To *EverVest Operating LLC* *240 NSL*
 Street, Apt. No. or PO Box No. *1001 Fannin Street, Ste 800*
 City, State, ZIP+4 *Houston TX 77002-6707*
 PS Form 3800, August 2005 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to: <i>EverVest Operating, LLC</i> <i>Attn: Chris Jeffus</i> <i>1001 Fannin Street, Ste 800</i> <i>Houston, TX 77002-6707</i></p>	<p>A. Signature <input type="checkbox"/> Agent X <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label) 7013 2250 0001 2785 5293</p>	<p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>PS Form 3811, July 2013</p>	<p>Domestic Return Receipt</p>

240 NSL



4001 N. Butler Ave
Farmington, NM 87401
Phone: (505) 215-8215
Fax: (303) 974-1767

September 2, 2015

EnerVest Operating, LLC
1001 Fannin Street, Suite 800
Houston, TX 77002-6707

Re: Application for Administrative Approval of an Unorthodox Well Location and Non-Standard Spacing Unit in the Basin Mancos Gas Pool (97232) for the Logos Jicarilla 24D API No. - Not yet Granted, 807 FNL & 215 FWL, NW/4NW/4 Section 24, T26N, R05W, Rio Arriba County, New Mexico

To whom it may concern:

Enclosed is a copy of the above referenced application which was filed with the New Mexico Oil Conservation Division. Any objection to this application must be filed in writing within twenty (20) days from the date above with the applicant and the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505. If no objection is received within the twenty (20) day period, this application may be approved administratively by the Division.

If you have no objection to the proposed unorthodox location or the proposed non-standard spacing unit, please so indicate by signing and returning one copy of this letter to the address noted at the bottom of this letter as soon as possible.

If you have any questions or concerns about this application, please contact me at:

Tamra Sessions
Logos Resources, LLC
4001 N. Butler Ave., Bldg 7101
Farmington, NM 87401
tsessions@logosresourcesllc.com
505-436-2606

EnerVest Operating, LLC hereby waives notice of hearing and objection to the application by Logos Resources, LLC for the unorthodox location and non-standard spacing unit for the Logos Jicarilla 24D, as depicted on the enclosed plat.

By: [Signature]
Printed Name: Kevin Leonard
Date: 9/2/15