

RECEIVED

Form 3160-5
(March 2012)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 31 2012

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014**SUNDRY NOTICES AND REPORTS ON WELL**
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.
Jicarilla Tribal #424
6. If Indian, Allottee or Tribe Name
Jicarilla Apache

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
Logos Capital Management, LLC3a. Address
4001 North Butler, Building 7101
Farmington, New Mexico 874013b. Phone No. (include area code)
505-436-26274. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1610' FNL & 1710' FWL
Section 5, Township 22N, Range 5W

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

8. Well Name and No.
Logos #19. API Well No.
30-043-2111910. Field and Pool or Exploratory Area
*Please see sundry summary for Pool information11. County or Parish, State
Sandoval, New Mexico

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"/> 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>Trimming wellbore.</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 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 recompleat 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 recompleat 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 Capital Management, LLC proposes to trimmingle the referenced well upon completion of the Venado MesaVerde, Wildcat Gallup and Wildcat Dakota intervals. Please refer to the attached documents.

The allocations per zone will be established by using the stabilized flowback rates of each zone which will be isolated during flowback. The stabilized flowback rates will be compared against the swab test data for each isolated zone. After the completion, Logos will isolate each zone and swab test the zones to ensure that the flowback data is accurate.

The pressures per zone are calculated based on data gathered during drilling and also data gathered during flowback. The Dakota and Mesaverde pressure are at or above the water gradient. The Gallup pressure is below water gradient and is calculated at 0.4 PSI/ft.

Pool Information:
WC22N5W;5Dakota(o)
WC22N5W;5Gallup(o),
Venado MesaVerde

- All formations commingled are on
a common lease

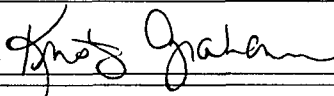
RCVD SEP 19 '12
OIL CONS. DIV.
DIST. 3

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

Kristy Graham

Title Director of Administration and Engineering Support

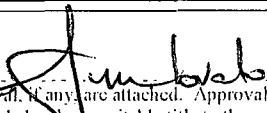
Signature



Date 08/30/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by



Title

Petr. Eng.

Date

9/11/12

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.

(Instructions on page 2)

NMOC D A

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., 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 August 1, 2011

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

Logos Capital Management, LLC

4001 North Butler, Building 7101 Farmington, NM 87401

Operator
Logos

#1

Address
F-Sec. 5, T22N, R5W

Sandoval

RCVD SEP 19 '12
OIL CONS. DIV.

Lease

Well No.

Unit Letter-Section-Township-Range

DIST 2
County

OGRID No. 287123 Property Code 39236 API No. 30-043-21119 Lease Type: ☒ Federal ☐ State ☐ Fee

| DATA ELEMENT | UPPER ZONE | INTERMEDIATE ZONE | LOWER ZONE |
|--|--|--|--|
| Pool Name | Venado Mesa Verde | Wildcat Gallup | Wildcat Dakota |
| Pool Code | 62490 | | |
| Top and Bottom of Pay Section (Perforated or Open-Hole Interval) | 3437'-4354' | 5022'-5939' | 6146'-6492' |
| 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) | 1885 psi | 2100 psi | 2750 psi |
| Oil Gravity or Gas BTU (Degree API or Gas BTU) | Est. Oil Gravity 48.9 | Est. Oil Gravity 42 | Est. Oil Gravity 45 |
| Producing, Shut-In or New Zone | New Zone | New Zone | New Zone |
| 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: Offset production history attached. | Date: Rates: Offset production history attached. | Date: Rates: Offset production history attached. |
| 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 % % Each interval will be swab tested independently and used for allocation. | Oil Gas % % Each interval will be swab tested independently and used for allocation. | Oil Gas % % Each interval will be swab tested independently and used for allocation. |

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.

DHC-4585

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 Kristy Graham TITLE Director of Admin and Eng. Support DATE 8/30/2012

TYPE OR PRINT NAME Kristy Graham

TELEPHONE NO. (505) 436-2627

E-MAIL ADDRESS kgraham@logosresourcesllc.com

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

AMENDED REPORT
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

AUG 31 2012

| | | | |
|--|--|--|--|
| ¹ API Number 30-043-21119 | ² Pool Code 62490 | ³ Pool Name Venado Mesa Verde | Farmington Field Office |
| ⁴ Property Code 39236 | ⁵ Property Name LOGOS | | ⁶ Well Number 1 |
| ⁷ OGAID No. 287123 | ⁸ Operator Name LOGOS CAPITAL MANAGEMENT, LLC | | ⁹ Elevation 6907' |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| F | 5 | 22N | 5W | | 1610 | NORTH | 1710 | WEST | SANDOVAL |

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 321.13 Acres - (W/2) | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. RCVD SEP 19 '12 OIL CONS. DIV. DIST. 3 |
|--|-------------------------------|----------------------------------|--|

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

| | | | |
|--|--|---|--|
| ¹⁶ LOT 4 1339.80' 1710' 1320.00' 2640.00' | 5280.00' 1610' LAT: 36.16928°N LONG: 107.38706°W DATUM: NAD1927 LAT: 36.16930°N LONG: 107.38766°W DATUM: NAD1983 5 | LOT 3 LOT 2 LOT 1 1335.18' 1320.00' 2640.00' | 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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Paul C. Thompson 5/11/12 Signature Date PAUL C. THOMPSON Printed Name PAUL C. WALSHENG.NET 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. Survey Date: JANUARY 11, 2012 Signature and Seal of Professional Surveyor JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269 JASON C. EDWARDS Certificate Number 15269 | | | |

5277.36'

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

AMENDED REPORT
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT AUG 31 2012

| | | |
|--|--|--|
| ¹ API Number 30-043-21119 | ² Pool Code 97968 | ³ Pool Name WC 22NSW;5 Gallup (6) |
| ⁴ Property Code 39236 | ⁵ Property Name LOGOS | ⁶ Well Number 1 |
| ⁷ GRID No. 287123 | ⁸ Operator Name LOGOS CAPITAL MANAGEMENT, LLC | ⁹ Elevation 6907' |

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| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
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| | | | | | | | | | |

| | | | |
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|--|-------------------------------|----------------------------------|--|

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| | | | | | | | |
|-----------------|-----------------|-----------------|---|---|--------------|-----------------|-----------------|
| 16 | 5280.00' | 1339.80' | LOT 4 | LOT 3 | LOT 2 | LOT 1 | 1335.18' |
| 1710' | 1610' | 1320.00' | LAT: 36.16928°N LONG: 107.38706°W DATUM: NAD1927 | LAT: 36.16930°N LONG: 107.38766°W DATUM: NAD1983 | 5 | 1320.00' | 1320.00' |
| 2640.00' | 5277.36' | 2640.00' | | | | | |

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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
Signature: **Paul C. Thompson** Date: **5/11/12**
Printed Name: **PAUL C. THOMPSON**
E-mail Address: **PAUL.C.WALSHENG.NET**

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.
Survey Date: **JANUARY 11, 2012**
Signature and Seal of Professional Surveyor
JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269
JASON C. EDWARDS
Certificate Number 15269

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Santa Fe, NM 87505

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AUG 31 2012

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|-----------------------------|---|---------------------|--|
| *API Number 30-043-21119 | | *Pool Code 97977 | *Pool Name WC 22NSW; 5 Dakota (CO) and Management |
| *Property Code 39236 | *Property Name LOGOS | | *Well Number 1 |
| *OGRID No. 287123 | *Operator Name LOGOS CAPITAL MANAGEMENT, LLC | | *Elevation 6907' |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Id. | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| F | 5 | 22N | 5W | | 1610 | NORTH | 1710 | WEST | SANDOVAL |

11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Id. | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |

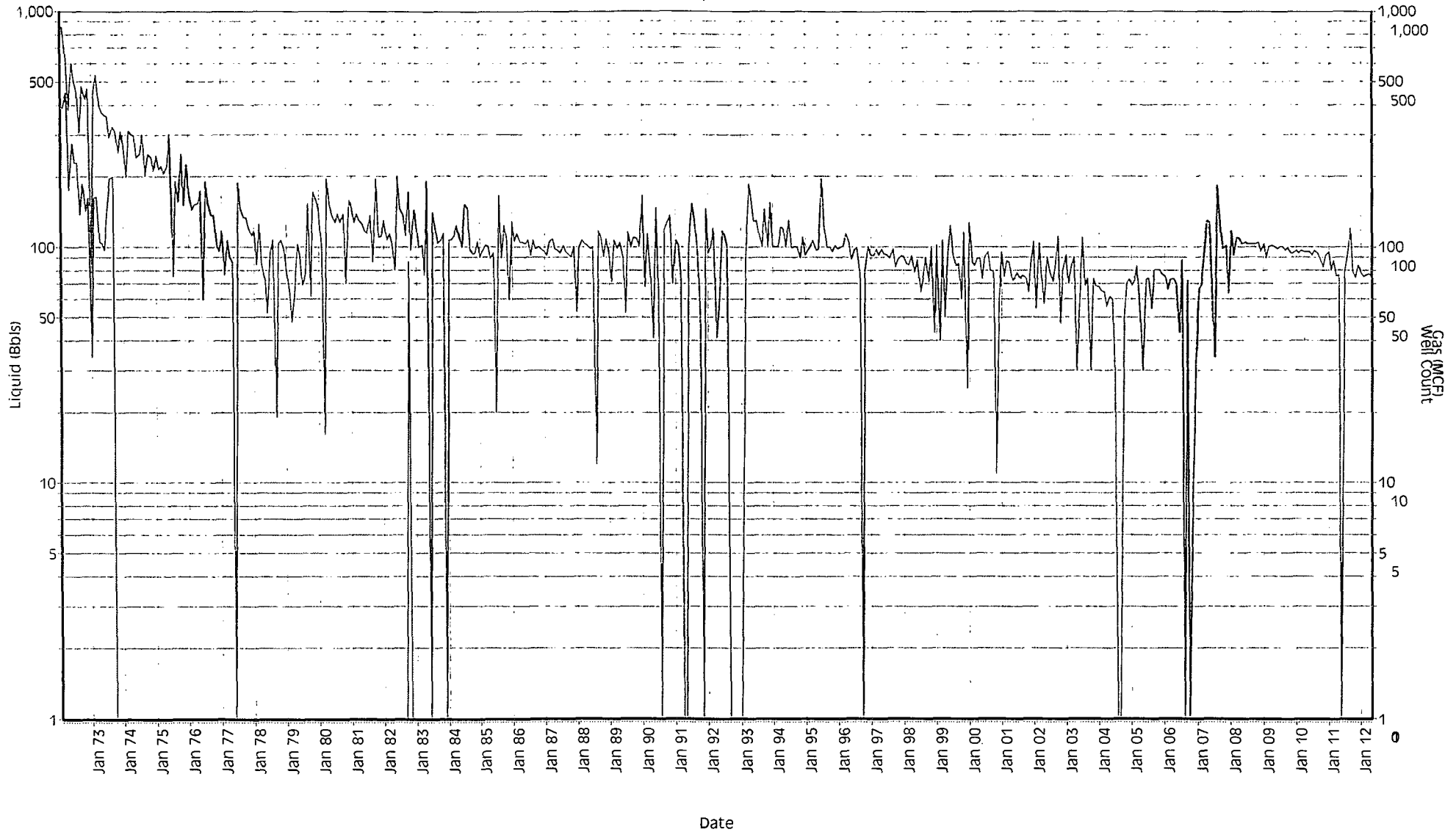
| | | | |
|--|--------------------|-----------------------|---|
| 12 Dedicated Acres 321.13 Acres - (W/2) | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. OIL CONS. DIV. DIST. 3 |
|--|--------------------|-----------------------|---|

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| | |
|--|---|
| | <p>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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Paul C. Thompson</u> Date: <u>5/11/12</u> Printed Name: <u>PAUL C. THOMPSON</u> E-mail Address: <u>PAUL@WALSHENG.NET</u></p> <p>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.</p> <p>Survey Date: <u>JANUARY 11, 2012</u> Signature and Seal of Professional Surveyor</p> <p> JASON C. EDWARDS Certificate Number 15269</p> |
|--|---|

MesaVerde Offset

JAIR 002
SANDOVAL (NM)
22N 05W 08 L
Operator: LOGOS CAPITAL MANAGEMENT, LLC
Field: VENADO (MESAVERDE)
(Monthly Production)

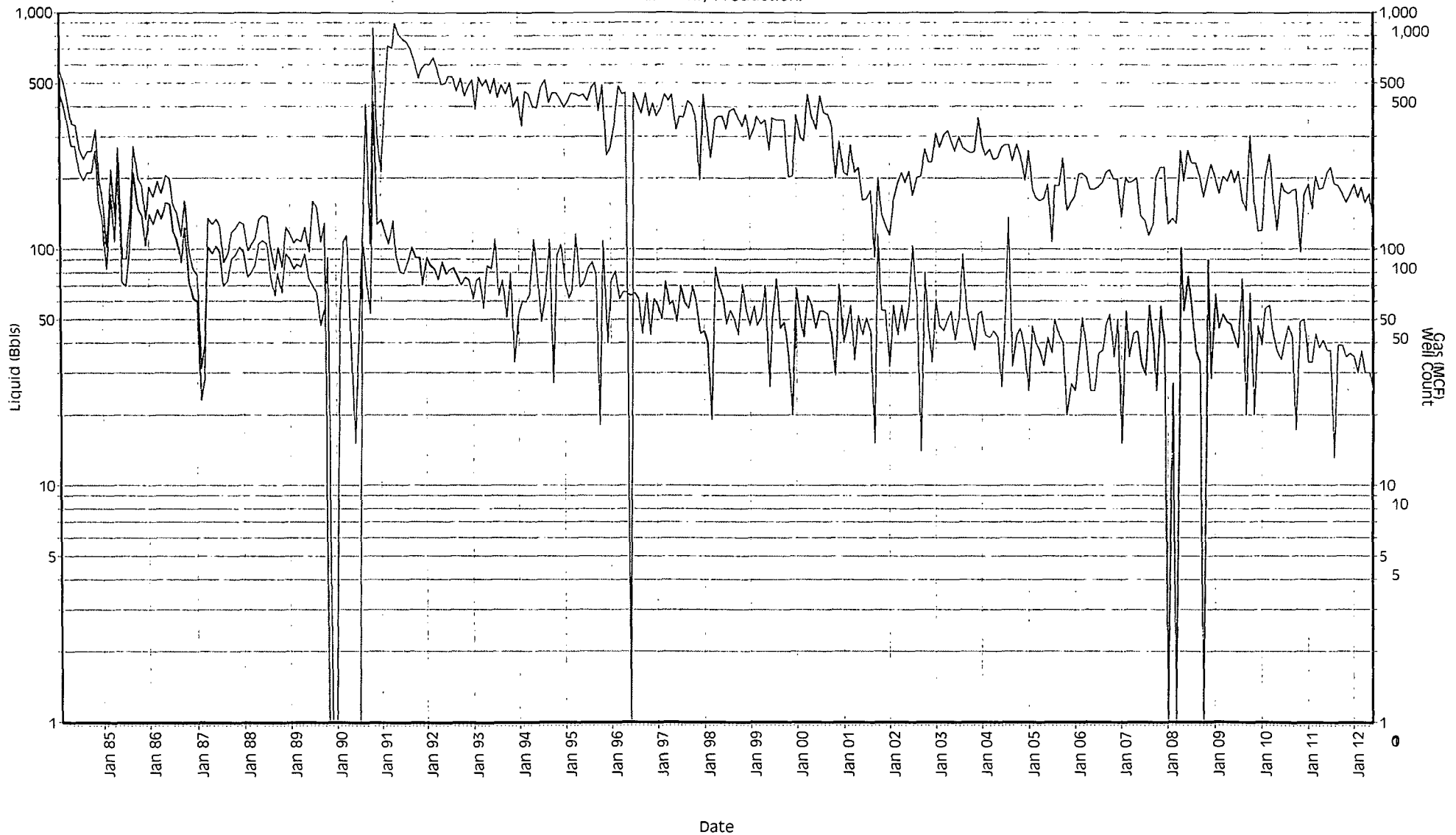


— Liquid (bbbls) — Gas (MCF) — Wells

Liquid (bbbls): Current Cum: 55,695 Total: 55,695
Gas (MCF): Current Cum: 4,029 Total: 4,029

Gallup Offset

LULU 005
SANDOVAL (NM)
23N 06W 29 J
Operator: PARKO OIL
Field: LYBROOK (GALLUP)
(Monthly Production)

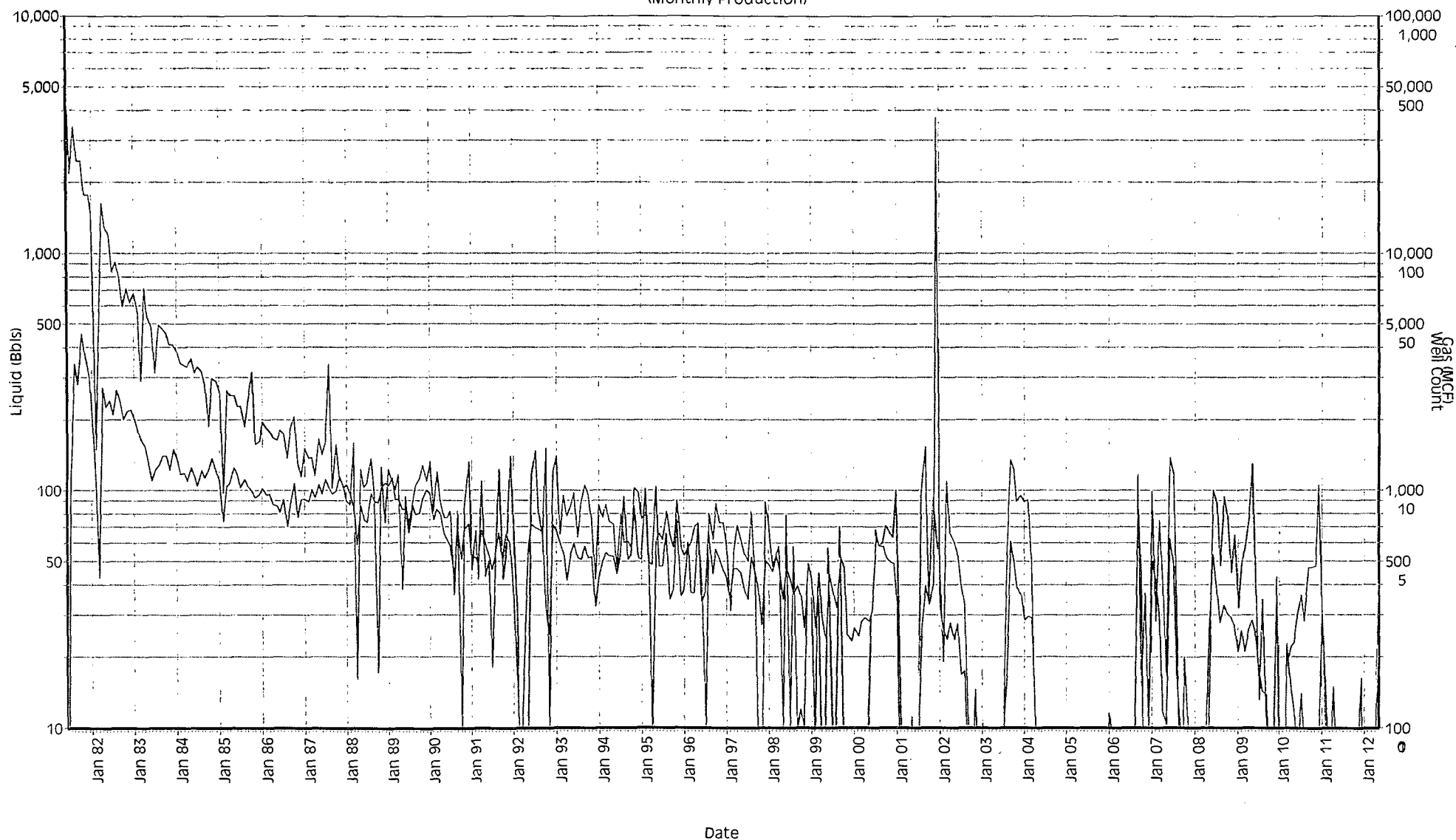


— Liquid (bbbls) — Gas (MCF) — Wells

Liquid (bbbls): Current Cum: 23,941 Total: 23,941
Gas (MCF): Current Cum: 91,157 Total: 91,157

Dakota Offset

BONANZA 005
SANDOVAL (NM)
22N 03W 12 G
Operator: ELM RIDGE EXPLORATION COMPANY LLC
Field: LINDRITH (GALLUP/DAKOTA, WEST)
(Monthly Production)



— Liquid (bbls) — Gas (MCF) — Wells

Liquid (bbls): Current Cum: 59,464 Total: 59,464
Gas (MCF): Current Cum: 252,308 Total: 252,308