

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



20 day hold

**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  
 X NSL X 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] X 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

- NSL 7085  
 - NSP 1983  
 - LOGOS OPERATING LLC  
 289408  
 - well  
 HEROS 2H  
 30-045-Pending  
 Pool  
 - BUSIN MANCOS

[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.**

J. Scott Hall  
 Montgomery & Andrews, P.A.

*J. Scott Hall*

Attorneys for Applicant

5/01/14

Print or Type Name

Signature

Title

Date

shall@montand.com  
 e-mail Address



**MONTGOMERY  
& ANDREWS**  
LAW FIRM

**J. SCOTT HALL**

Office: (505) 986-2646  
Email: shall@montand.com  
Reply To: Santa Fe Office  
www.montand.com

RECEIVED  
MAY 1 2014  
12:00 PM

May 1, 2014

Ms. Jami Bailey, Director  
NM Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87501

**Hand-Delivered**

**Re: Logos Resources LLC  
Request for Administrative Approval  
Non-Standard Oil Spacing Unit and Unorthodox Well  
Location Basin-Mancos Gas Pool (97565)**

**Heros Well No. 2-H (Horizontal)  
API No. 30-045- (pending)  
S/2 N/2 Section 4, T23N, R8W (Project Area)  
2268' FSL and 70' FWL (L), Section 3 (Surface)  
2150' FNL and 250 FWL (E), Section 4 (Bottom Hole)  
Completed Interval:  
330' FEL and 2150' FNL to 330' FWL and 2150' FNL, Section 4  
T23N, R8W, NMPM  
San Juan County, New Mexico**

Dear Ms. Bailey:

On behalf of Logos Resources LLC ("Logos") and pursuant to Division Rules 19.15.15.11.B(2) (a) and (b), 19.15.15.13 and the applicable rules governing the acreage and well location requirements for the Basin-Mancos Gas Pool (97232; Order No. R-12984), we request administrative approval for a 160 acre  $\pm$  non-standard oil spacing and proration unit and horizontal drilling project area comprised of the S/2 N/2 of Section 4, Township 23 North, Range 8 West, NMPM for the Heros No. 2-H well to be drilled at the surface and bottom hole locations indicated above.

Logos seeks an exception from the applicable acreage dedication and well location rules for the following reasons: Order No. R-12984 established special

325 Paseo de Peralta  
Santa Fe, New Mexico 87501

T: 505.982.3873  
F: 505.982.4289

P.O. Box 2307  
Santa Fe, New Mexico 87504-2307

Ms. Jami Bailey, Director  
May 1, 2014  
Page 2

pool rules for the Basin-Mancos Pool as a gas pool with 320 acre spacing units and well location setbacks of 660'. The special pool rules also provide that oil wells located within two miles of certain Gallup oil pools or associated pools identified in Order No. R-12984 are to be drilled and spaced in accordance with the rules applicable to those pools. The spacing unit proposed in this case is located in close proximity to the Nageezi - Gallup Oil Pool (47540) and the well is expected to produce oil from a correlative stratum. The current rules for that pool reflect statewide rules and provide that wells shall be located no closer than 330' to the boundary of a unit, with 40-acre units dedicated to the wells. However, this pool is not among the pools specified in Order No. R-12984 and therefore, the Division has previously advised that the rules for the pool may not be extended to the proposed spacing unit and well location. Operator experience has established that oil wells located in accordance with the setbacks for gas wells won't efficiently recover all the reserves in the unit and for all these reasons, this application for exception is made necessary.

In this case the well's Completed Interval will be no closer than 330' to the outer boundaries of the S/2 N/2 unit and will be located entirely within the Producing Area for the Project Area. The well otherwise complies with statewide locational rules applicable to oil wells. The non-standard spacing unit and well location are also consistent with the established development pattern for horizontal Mancos oil wells in the area. In this regard, please note that the Division has previously approved non-standard location and a non-standard proration unit for a Basin-Mancos vertical oil well drilled by Logos in Unit P of Section 4. (See Orders NSL-6753 and NSP-1961) and three additional vertical wells soon to be drilled in Unit M (NSL-7047 and NSP 1978), Unit N (NSL 7044 and NSP 1977), and Unit O (NSL 7043 and NSP 1976), all in Section 4. The C-102 plat and area satellite map showing the S/2 N/2 Project Area, Producing Area and the proposed location for the Heros Well No. 2-H are attached as Exhibits A and B.

In accordance with Division Rules 19.15.4.12 A(2) and (3) notification is being provided to those offset interest owners or operators in adjoining Sections 3 and 5 T23N R8W reflected on Exhibit C. Logos Resources LLC is the operator of the adjoining units in Section 4 T23N R8W. Logos owns and operates all of Section 4 under a single federal lease (NMNM-109398). Royalty and overriding royalty interests in Section 4 are uniform. The Bureau of Land Management is being notified of this application, but no further notification is indicated under the Division's rules.

The Division's Administrative Application Checklist is enclosed.

Ms. Jami Bailey, Director  
May 1, 2014  
Page 3

Thank you for your consideration of this request. Should more information be required, please do not hesitate to contact me.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Scott Hall". The signature is written in a cursive style with a large, sweeping "H" at the end.

J. Scott Hall

JSH:lb

Enclosures

cc: John Austin Akers

556470

**DISTRICT I**  
 1625 N French Dr., Hobbs, N.M. 88240  
 Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
 811 S. First St., Artesia, N.M. 88210  
 Phone: (575) 748-1283 Fax: (575) 748-9720

**DISTRICT III**  
 1000 Rio Brazos Rd., Artesia, N.M. 87410  
 Phone: (505) 334-6178 Fax: (505) 334-8170

**DISTRICT IV**  
 1220 S. St. Francis Dr., Santa Fe, N.M. 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 Dr.  
 Santa Fe, N.M. 87505

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name <b>HEROS</b>			<sup>6</sup> Well Number <b>002H</b>
<sup>7</sup> GRID No. <b>289408</b>		<sup>8</sup> Operator Name <b>LOGOS OPERATING, LLC</b>			<sup>9</sup> Elevation <b>6885</b>

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	3	23 N	8 W		2268	SOUTH	70	WEST	SAN JUAN

<sup>11</sup> 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
E	4	23 N	8 W		2150	NORTH	250	WEST	SAN JUAN

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
160			

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

**BOTTOM HOLE**

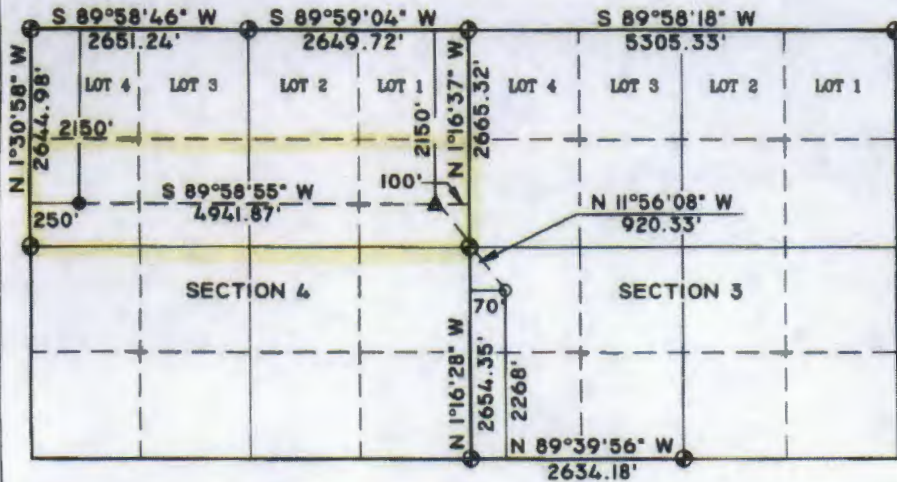
LAT: 36.2576801° N  
 LONG: 107.6951904° W  
 NAD 83  
 LAT: 36°15.46005' N  
 LONG: 107°41.67472' W  
 NAD 27

**LANDING POINT**

LAT: 36.2576638° N  
 LONG: 107.6784283° W  
 NAD 83  
 LAT: 36°15.45907' N  
 LONG: 107°40.66903' W  
 NAD 27

**SURFACE**

LAT: 36.2551894° N  
 LONG: 107.6777876° W  
 NAD 83  
 LAT: 36°15.31060' N  
 LONG: 107°40.63059' W  
 NAD 27



**LEGEND:**

- = SURFACE LOCATION
- = BOTTOM HOLE LOCATION
- ⊙ = FOUND 1947 U.S.G.L.O. BRASS CAP
- ▲ = LANDING POINT

BEARINGS & DISTANCES SHOWN ARE REFERENCED TO THE NEW MEXICO COORDINATE SYSTEM, WEST ZONE, NAD 83, UNLESS OTHERWISE NOTED.

**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.

*Austin Akers* 4/14/14  
 Signature Date  
 Austin Akers  
 Printed Name  
 aakers@logosresourcesllc.com  
 E-mail Address

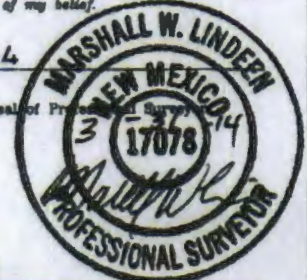
**18 SURVEYOR CERTIFICATION**

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.

03/27/14

Date of Survey

Signature and Seal of Professional Surveyor



17078

Certificate Number  
 United Field Services, Inc.

Exhibit

A



Exhibit  
B

Non-Standard Unit Boundary

Heros 2H Bottom Hole

Heros 2H Landing Point

500' setback from N, S, E, & W of non-standard unit boundary

004

Heros 2H & 3H Surface Location

Survey

© 2014 Google

Google earth

Tour Guide

1997

36°15'41.24" N 107°41'04.68" W elev 6998 ft eye alt 13628 ft

**Notice List Heros Well 2-H and 3-H**

**Burlington Resources Oil and Gas Company LP**  
P. O. Box 51810  
Midland, TX 79101-1810

**Elm Ridge Exploration Company LLC**  
12225 Greenville Ave., Ste. 950  
Dallas, TX 75243-0597

**Energen Resources Corporation**  
2010 Afton Pl.  
Farmington, NM 87401

**WPX Energy Production LLC**  
4400 One Williams Center  
Tulsa, OK 74172-0144

**Bureau of Land Management**  
6251 College Blvd.  
Farmington, NM 87402

Exhibit

C