

LOS LOBOS EXHIBIT A-2

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form 6-112
Adopted 10-1-74
Revised 10-1-78

APPLICATION TO PLACE WELL ON INJECTION-GEOTHERMAL RESOURCES AREA

Operator Los Lobos Renewable Power, LLC.		Address 136 S. Main Street, Salt Lake City, UT 84101	
Lease Name Federal Lease No. NM 34790	Well No. LDG-53-7	Field Lightning Dock	County Hidalgo
Location Unit Letter <u>G</u> Well is Located <u>1525</u> Feet From The <u>North</u> Line And <u>2228</u> Feet From The <u>East</u> Line, Section <u>7</u> Township <u>25 S</u> Range <u>19 W</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Conductor Pipe	30"	46'	575	GL	flow to surface
Surface Casing	20"	393'	750	GL	flow to surface
Long String	13.375"	1747'	913	GL	flow to surface
Tubing	9.625"	4431'	Name, Model and Depth of Tubing Packer blank 1709'-1827', 4236'-4431'; perforated 1827'-4236'		

Name of Proposed Injection Formation Horquilla Fm.	Top of Formation ~ 1400'	Bottom of Formation 3000' - 4000
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Is Injection Through Tubing, Casing, or Annulus? Production Liner 9.625"	Perforations or Open Hole? Perforations	Proposed Interval(s) of Injection 1827' - 4236'
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Is This a New Well Drilled For Injection? No	If Answer is No, For What Purpose was Well Originally Drilled? Production of geothermal fluid	Has Well Ever Been Perforated in Any Zone Other Than the Proposed Injection Zone? No
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List All Such Perforated Intervals and Sacks of Cement used to Seal Off or Squeeze Each
Not Applicable

Depth of Bottom of Deepest Fresh Water Zone in This Area Unknown	Is This Injection for Purpose of Pressure Maintenance Re-injection of produced geothermal fluids or Water Disposal? (See Rules 501 and 502)
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Anticipated Daily Injection Volume Gallons	Minimum 1,440,000	Maximum 3,000,000	Open or Closed Type System Open System	Is Injection to be by Gravity or Pressure? Gravity	Approx. Pressure (psi) < 100
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Answer Yes or No Whether the Following Waters are Mineralized, Water to be Injected to such a Degree as to be Unfit for Domestic, Stock, Irrigation, or Other General Use— No	Natural Water in Injection Zone No	Are Water Analyses Attached? Yes (LDG 53-7)
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Name and Address of Surface Owner (or Lessee, if State or Federal Land)
Rosette, Inc., P.O. Box 1618, Roswell, NM 88202-1618

List Names and Addresses of all Operators Within One-Half (1/2) Mile of This Injection Well

Rosette, Inc., P.O. Box 1618 Roswell, NM 88202-1618

Americulture, Inc. 25 Tilapia-Trail, Animas, NM 88020

Timothy McCants, 120 N. Arkansas Street, Alice, Texas 78332

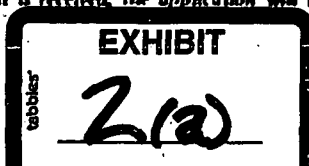
Have Copies of this Application Been Sent to Each Operator Within One-Half Mile of this Well?	Yes ☒ No ☐
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Are the Following Items Attached to this Application (see Rule 503)	Plot of Area Yes ☒ No ☐	Electrical Log Yes ☐ No ☒	Diagrammatic Sketch of Well Yes ☒ No ☐
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

David J. Arney, P.E. Agent for Los Lobos Renewable Power, LLC 12/13/2017
(Signature) (Title) (Date)

NOTE: Should waivers from all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Division will hold the application for a period of 30 days from the date of receipt by the Division's Santa Fe office. If at the end of the 30-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing. If the applicant so requests, SEE RULE 503.



LOS LOBOS EXHIBIT A-2

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
1130 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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	¹ Pool Code	² Pool Name
⁴ Property Code	³ Property Name Lightning Deck No 1, III-01 LLC	
¹ UGRID No.	⁵ Operator Name Los Lobos Renewable Power, LLC	
		⁶ Well Number 53-07
		⁷ Elevation 4106

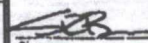
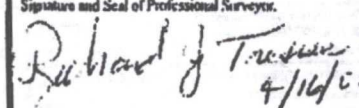
¹⁰ Surface Location

UL or lot no.	Section 07	Township 25S	Range 19W	Lot Idn	Feet from the 3775'	North/South line South	Feet from the 3052'	East/West line West	County Hidalgo
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. Same	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 20	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

16					¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land on which the proposed bottom hole location or has a right to drill this well on the basis of a purchase from a owner with no record of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature Date 4/13/08 Steven Brown Printed Name
			53-07 •		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. March 12, 2008 Date of Survey Signature and Seal of Professional Surveyor.  NMRLS 7240 Certificate Number

LOS LOBOS EXHIBIT A-1

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form 6-112
Adopted 10-1-74
Revised 10-1-78

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Operator Los Lobos Renewable Power, LLC		Address 136 S. Main Street, Salt Lake City, UT 84101	
Lease Name Federal Lease No. NM 34790	Well No. LDG-55-7	Field	County Hidalgo
Location Unit Letter <u>J</u> , Well is Located <u>2329</u> Feet From The <u>South</u> Line And <u>2412</u> Feet From The <u>East</u> Line, Section <u>7</u> Township <u>25 S</u> Range <u>19 W</u> NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Conductor Pipe	30"	30'	6 sx mix 4 CY	GL	flow to surface
Surface Casing	20"	360'	530	GL	flow to surface
Long String	13.375"	1050'	714	GL	flow to surface
Tubing	NA	NA	Name, Model and Depth of Tubing Packer NA		

Name of Proposed Injection Formation Horquilla Fm.	Top of Formation ~ 1590'	Bottom of Formation 3800'
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Is Injection Through Tubing, Casing, or Annulus? Production Casing 13.375"	Perforations or Open Hole? Open Hole	Proposed Interval(s) of Injection 1590' - 2349'
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Is This a New Well Drilled For Injection? No	If Answer is No, For What Purpose was Well Originally Drilled? Geothermal Production	Has Well Ever Been Perforated in Any Zone Other Than the Proposed Injection Zone? Not Applicable - Open Hole
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List All Such Perforated Intervals and Sacks of Cement used to Seal Off or Squeeze Each
Not Applicable

Depth of Bottom of Deepest Fresh Water Zone in This Area Unknown	Is This Injection for Purpose of Pressure Maintenance Re-injection of produced geothermal fluids or Water Disposal? (See Rules 503 and 502)
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Anticipated Daily Injection Volume Gallons	Minimum 1,440,000	Maximum 3,000,000	Open or Closed Type System Open System	Is Injection to be by Gravity or Pressure? Gravity	Approx. Pressure (psi) < 100
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Answer Yes or No Whether the Following Water is Mineralized to such a Degree as to be Unfit for Domestic, Stock, Irrigation, or Other General Use— No	Water to be injected No	Natural Water in Injection Zone No	Are Water Analyses Attached? Yes (Well LDG 55-7)
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Americulture, Inc., 25 Tilapia Trail, Animas, NM 88020

Timothy McCants, 120 N. Arkansas Street, Alice, Texas 78332

Have Copies of this Application Been Sent to Each Operator Within One-Half Mile of this Well?	Yes ☒ No ☐
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Are the Following Items Attached to this Application (see Rule 503)	Plot of Area Yes ☒ No ☐	Electrical Log Yes ☐ No ☒	Diagrammatic Sketch of Well Yes ☒ No ☐
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I hereby certify that the information above is true and complete to the best of my knowledge and belief.

David J. Jolley, PG Agent for Los Lobos Renewable Power, LLC 12/4/2012
(Signature) (Title) (Date)

NOTE: Should waivers from all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Division will hold the application for a period of 30 days from the date of receipt by the Division's Santa Fe office. If at the end of the 30-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing. If the applicant so requests. SEE RULE 503.

EXHIBIT

2(b)

CONFIDENTIAL

WELL DIAGRAM
for
Los Lobos Renewable Power, LLC
Lightning Dock Geothermal: LDG 55-7

HOLE Information

CONDUCTOR CASING HOLE
36" to 30"

SURFACE CASING HOLE
26" to 360"

PRODUCTION HOLE
17-1/2" to 1050"

OPEN HOLE
12-1/4" to 2349'

CASING Information

Top of cement on conductor casing at GL
Conductor Casing
30", 135 ppf, J-55, BTC
Cement on conductor casing 6 cubic yards

Top of cement on surface casing at GL
Surface Casing
30", 94 ppf, J-55, BTC
Cement on surface casing 530 sxs

Top of cement on production casing at GL
Production Casing
13-3/8", 61 ppf, J-55, BTC
Cement on production casing 714 sxs

