

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

**District II**  
811 S. First St., 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 Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462



State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
Revised November 14, 2012

AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address LEGACY RESERVES OPERATING LP PO BOX 10848, MIDLAND, TX 79702		<sup>2</sup> OGRID Number 240974
<sup>4</sup> Property Code 302808	<sup>3</sup> Property Name SHUGART A STATE COM	<sup>5</sup> APL Number 30-015-41387 <sup>6</sup> Well No. 2H

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
H	16	18S	31E		1775'	NORTH	180'	EAST	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
E	16	18S	31E		2125'	NORTH	330'	WEST	EDDY

**9. Pool Information**

<sup>9</sup> Pool Name SHUGART BONE SPRING, NORTH	<sup>10</sup> Pool Code 56405
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**Additional Well Information**

<sup>11</sup> Work Type NEW WELL	<sup>12</sup> Well Type SINGLE OIL	<sup>13</sup> Cable/Rotary ROTARY	<sup>14</sup> Lease Type STATE	<sup>15</sup> Ground Level Elevation 3680'
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 13,100'-MD, 8500'-TVD	<sup>18</sup> Formation BONE SPRING	<sup>19</sup> Contractor UNKNOWN	<sup>20</sup> Spud Date 01/15/14-ESTIMATED
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
SURF	17 1/2"	13 3/8"	48#	810'	466	SURF
INT	12 1/4"	9 5/8"	40#	5,500'	1426	SURF
PROD	8 3/4"	5 1/2"	17#	13,100'	2210	SURF

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM	3000	3000	

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify that I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC,  if applicable.

Signature: *Craig Sparkman*

Printed name: CRAIG SPARKMAN

Title: OPERATIONS ENGINEER

E-mail Address:

Date: 5/20/13

Phone: 432-689-5200

OIL CONSERVATION DIVISION	
Approved By: <i>T.C. Shepard</i>	
Title: <i>Geologist</i>	
Approved Date: <i>5/22/2013</i>	Expiration Date: <i>5/22/2015</i>
Conditions of Approval Attached	

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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. Frances Dr.  
 Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-41387</b>	Pool Code 56405	Pool Name SHUGART BONE SPRING, NORTH
Property Code 302808	Property Name SHUGART A STATE COM	Well Number 2H
OGRID No. 240974	Operator Name LEGACY RESERVES OPERATING LP	Elevation 3680'

Surface Location

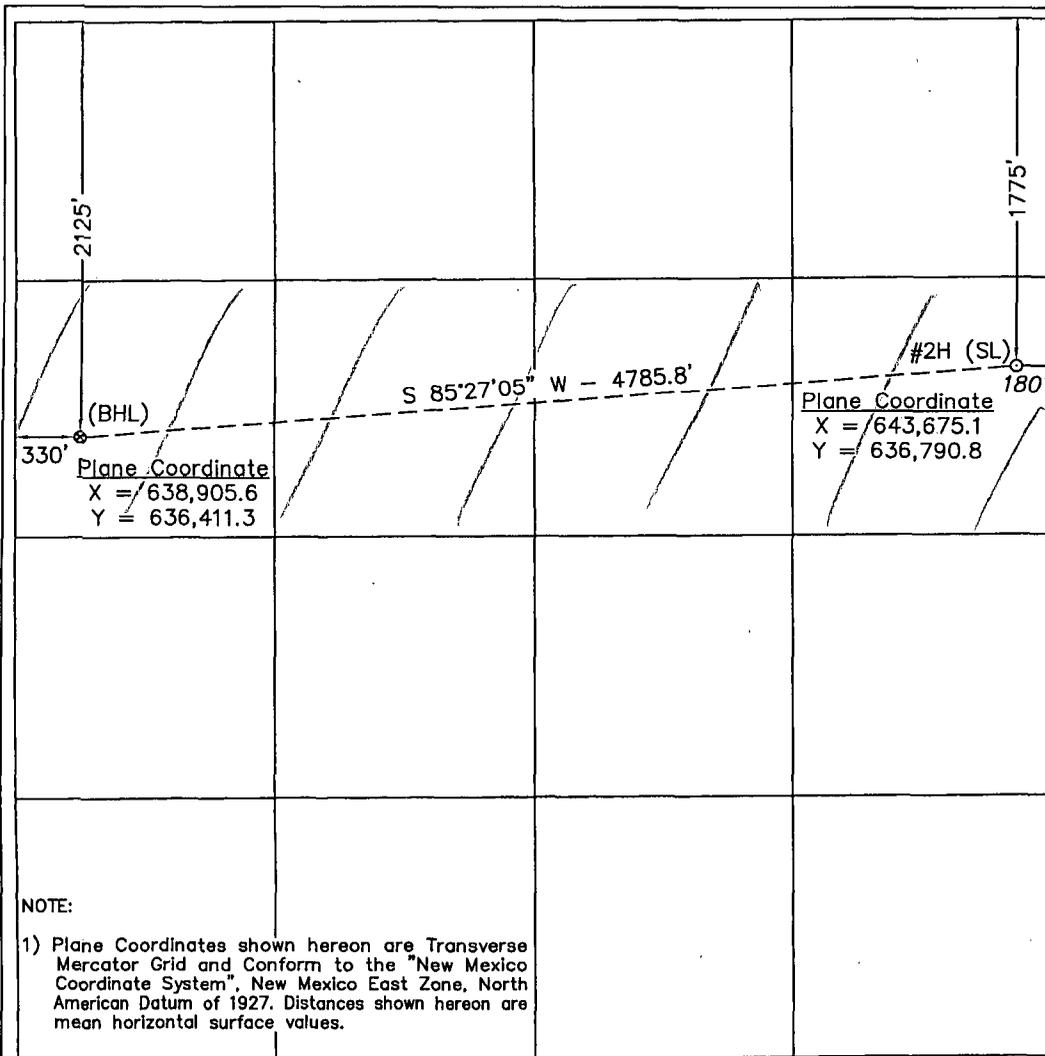
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	16	18 S	31-E		1775	NORTH	180	EAST	EDDY

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
E	16	18 S	31-E		2125	NORTH	330	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	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



**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.

*Craig Sparkman* 5/20/13  
 Signature Date  
**CRAIG SPARKMAN**  
 Printed Name  
 E-mail Address

**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.

Date of Survey APRIL 2013  
 Signature & Seal of Professional Surveyor  
 12185  
 W.O. Num. 2013-0638  
 Certificate No. MACON McDONALD 12185

NOTE:  
 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.



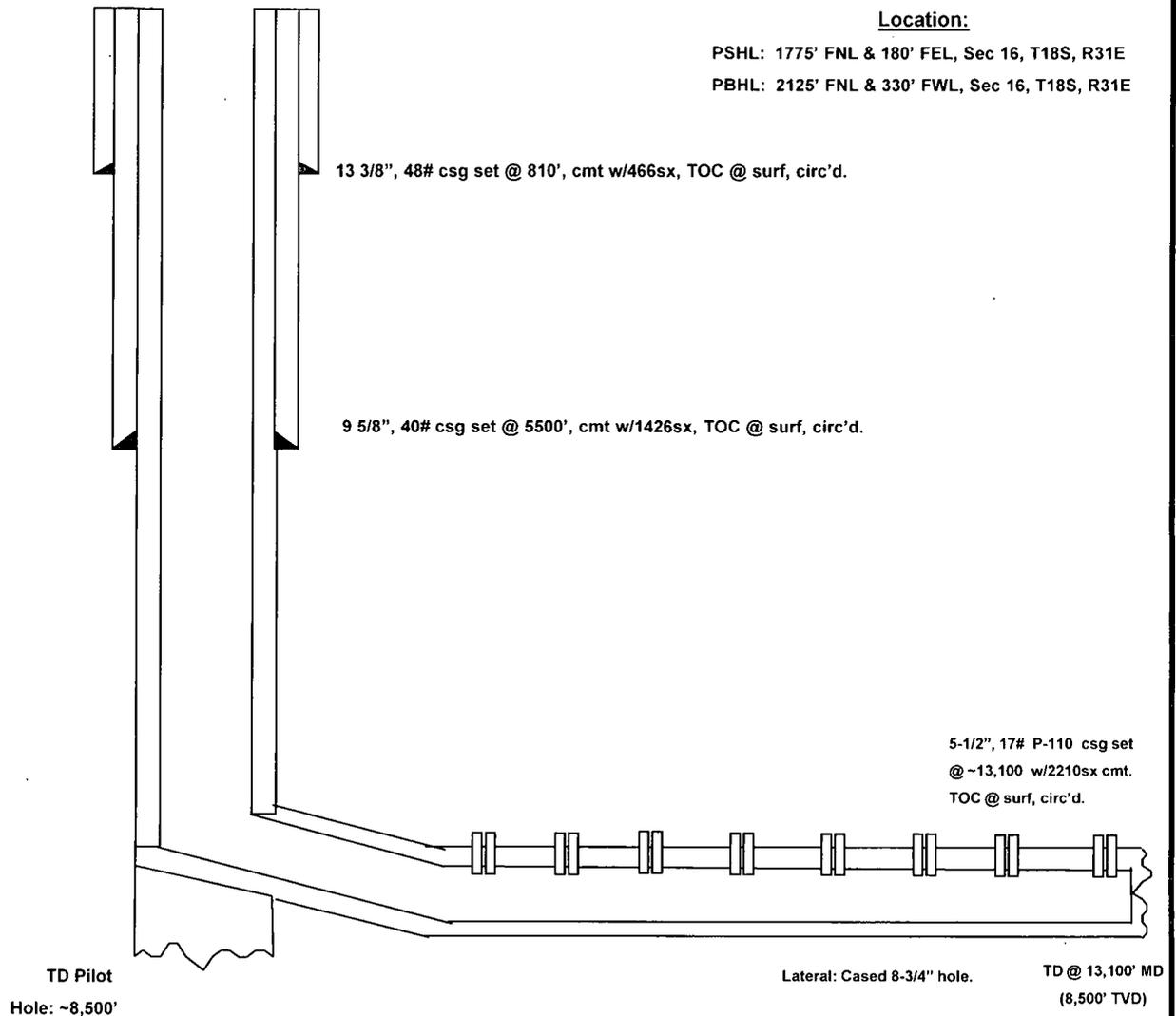
### SHUGART A STATE COM #2H

LOCATION: See Below for SHL & PBHL.

FIELD: Shugart Bone Spring, North  
COUNTY: Eddy  
STATE: New Mexico

GL: 3688'  
KB: 3714'  
SPUD DATE: 01/15/2014

LATEST UPDATE: 05/15/2013  
BY: CSPARKMAN  
API No: 30-015-



## Permit Conditions of Approval

API: 30-015-41387

OGD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string