

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
311 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Geology, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

<sup>1</sup> Operator name and Address <b>Altura Energy LTD</b> <b>P.O. Box 4294</b> <b>Houston, TX 77210-4294</b>		<sup>2</sup> OGRID Number <b>157984</b>
<sup>4</sup> Property Code <b>19520</b>	<sup>5</sup> Property Name <b>North Hobbs G/SA Unit</b>	<sup>3</sup> API Number <b>30-025-34644</b> <sup>6</sup> Well No. <b>544</b>

<sup>7</sup> Surface Location									
UL or lot no. <b>P</b>	Section <b>29</b>	Township <b>18-S</b>	Range <b>38-E</b>	Lot. Idn	Feet from the <b>925</b>	North/South Line <b>South</b>	Feet from the <b>1050</b>	East/West line <b>East</b>	County <b>Lea</b>

<sup>8</sup> Proposed 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
<sup>9</sup> Proposed Pool 1 <b>Hobbs; Grayburg - San Andres</b>					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3646</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>4600'</b>	<sup>18</sup> Formation <b>San Andres</b>	<sup>19</sup> Contractor <b>Key Energy</b>	<sup>20</sup> Spud Date <b>July, 1999</b>

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size <b>18</b>	Casing Size <b>14</b>	Casing weight/foot <b>Conductor</b>	Setting Depth <b>40</b>	Sacks of Cement <b>50</b>	Estimated TOC <b>Surface</b>
<b>12-1/4</b>	<b>8-5/8</b>	<b>24</b>	<b>1650</b>	<b>795</b>	<b>Surface</b>
<b>7-7/8</b>	<b>5-1/2</b>	<b>15.5</b>	<b>4600</b>	<b>800</b>	<b>Surface</b>

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

**See attached for proposed drilling program**

**BOP Program 3000# Ram Preventer**

**Permit Expires 1 Year From Approval Date Unless Drilling Underway**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.	<b>OIL CONSERVATION DIVISION</b>	
Signature: <b>Mark Stephens</b>	Approved by: <b>Mark Stephens</b>	
Printed name: <b>Mark Stephens (281) 552-1158</b>	Title: <b>Business Analyst (SG)</b>	
Title: <b>Business Analyst (SG)</b>	Approval Date: <b>6/16/99</b>	Expiration Date: <b>6/16/00</b>

5-C-5

1

Proposed Drilling Program  
North Hobbs G/SA Unit No. 29-544  
Lea County, New Mexico

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A 14" conductor will be set and cemented to surface with 50 sx. cement. A 12-1/4" hole will be drilled from surface to approximately 1650'. This will allow for protection of all water zones and casing off of the Red Beds. A full string of 8-5/8", 24#, J-55 surface casing will be run and set 25' into the top of the Rustler Anhydrite with cement circulated to surface. The cement will be allowed to set for a minimum of eight (8) hours (minimum 500# compressive strength) and will then be tested to 1500 psi for 30 minutes before drilling resumes. After the casing is run and cemented, weld on 8-5/8" X 11" 3M casinghead housing and nipple up BOP stack (3000# Ram Preventer).

A 7-7/8" hole will be drilled out from surface casing point (1650') to +/- 4400' TVD. A full string of 5-1/2", 15.5#, J-55 production casing will be run to TD and cemented to surface (casing test to 1500 psi will be done by the completion rig).

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DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-34644</b>	Pool Code <b>31920</b>	Pool Name <b>Hobbs; Grayburg - San Andres</b>
Property Code <b>19520</b>	Property Name <b>NORTH HOBBS G/SA Unit</b>	Well Number <b>544</b>
GRID No. <b>157984</b>	Operator Name <b>ALTURA ENERGY LTD.</b>	Elevation <b>3646</b>

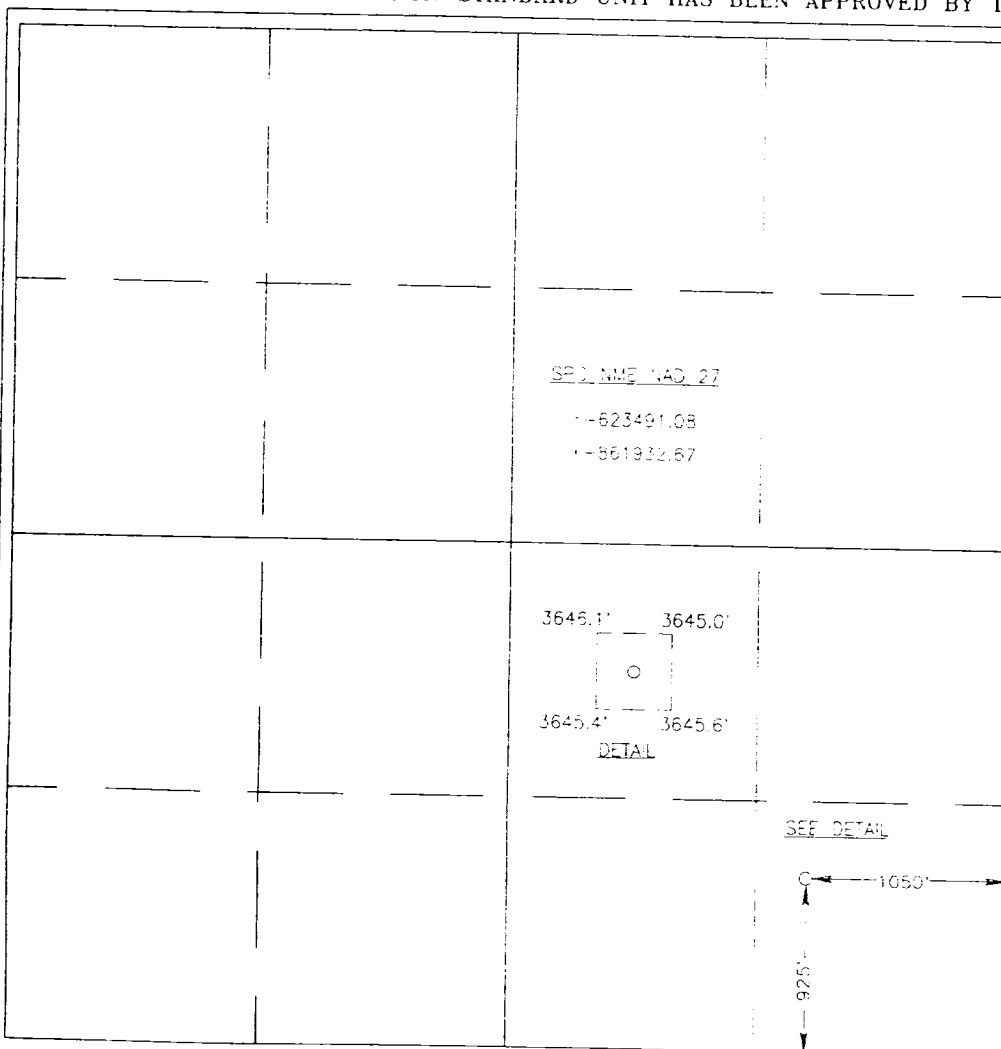
Surface Location

UL or lot No. <b>2</b>	Section <b>29</b>	Township <b>18 S</b>	Range <b>36 E</b>	Lot Idn	Feet from the <b>925</b>	North/South line <b>SOUTH</b>	Feet from the <b>1050</b>	East/West line <b>EAST</b>	County <b>LEA</b>
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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
Dedicated Acres <b>40</b>	Joint or Infill <b>I</b>	Consolidation Code <b>U</b>	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



OPERATOR CERTIFICATION

I hereby certify the the information  
contained herein is true and complete to the  
best of my knowledge and belief.

*Mark Stephens*  
Signature

Mark Stephens  
Printed Name

Business Analyst (SG)  
Title

June 14, 1999  
Date

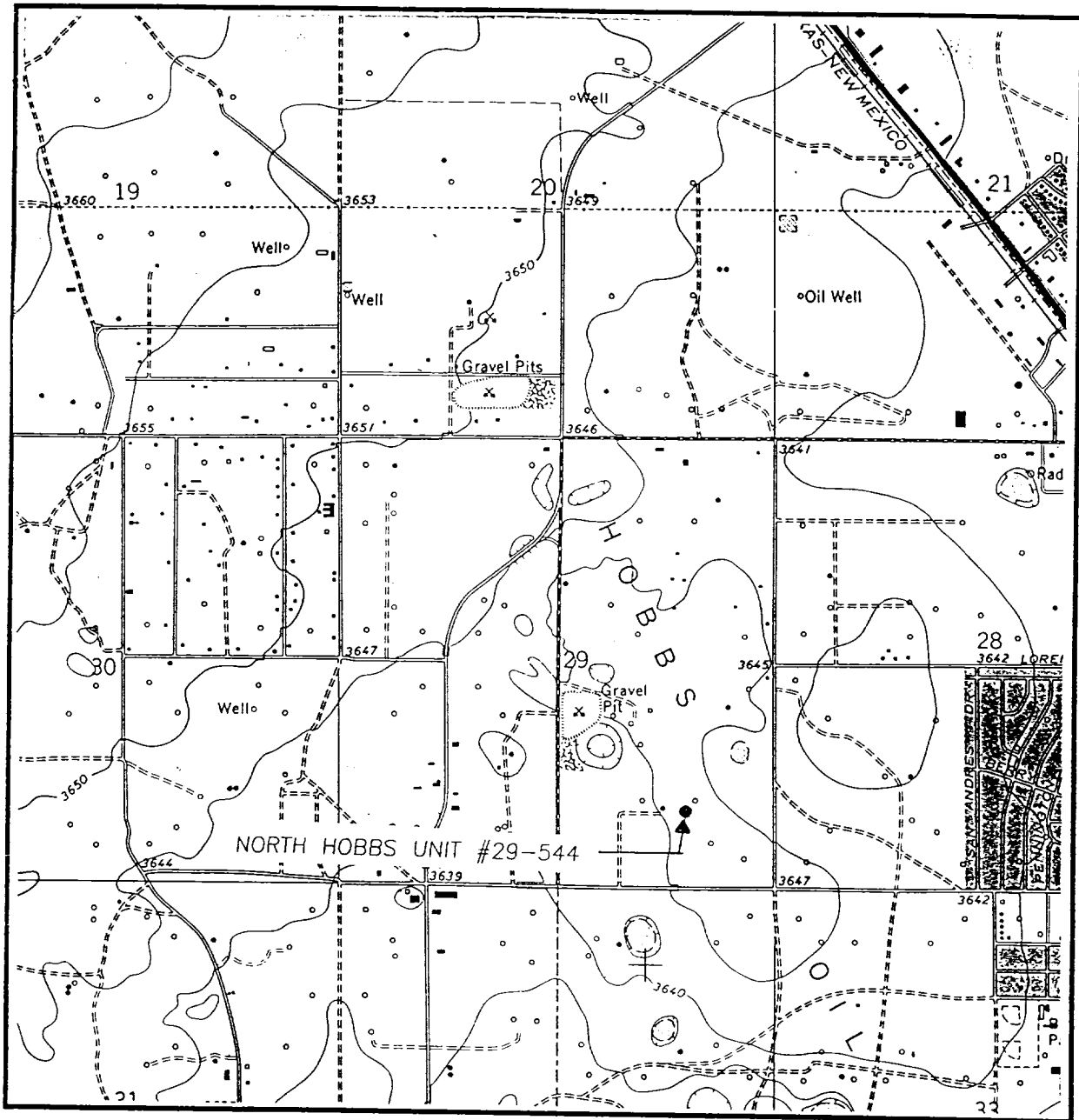
SURVEYOR CERTIFICATION

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 Surveyed  
Signature & Seal of  
Professional Surveyor

**GARY G. EIDSON**  
27  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
12841  
Certificate No. RONALD J. EIDSON 3239  
GARY EIDSON 2641  
MACON McDONALD 2185

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
HOBBS WEST- 5'

SEC. 29 TWP. 18-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 925" FSL & 1050' FEL

ELEVATION 3646

OPERATOR ALTURA ENERGY LTD.

LEASE NORTH HOBBS UNIT

U.S.G.S. TOPOGRAPHIC MAP

HOBBS WEST, N.M.

**JOHN WEST SURVEYING**  
**HOBBS, NEW MEXICO**  
**(505) 393-3117**

FILE  
2/11/77  
ADJ. DATE DOES NOT  
INDICATE WHEN  
CONFIDENTIAL LOGS  
WILL BE RELEASED