

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, 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

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

CIS  
FORM 101  
Revised March 7, 1999

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

Operator Name and Address <b>DISCOVERY OPERATING, INC. 800 N. MARIENFELD STE 100 MIDLAND, TEXAS 79701</b>		OGRD Number <b>006233</b>
Property Code <b>28273</b>		API Number <b>30 - 015 - 31849</b>
Property Name <b>STERLING STATE</b>		Well No. <b>1</b>

UL or lot no.	Section	Township	Range	Loc 1 dn.	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>20</b>	<b>23S</b>	<b>27E</b>		<b>1980</b>	<b>SOUTH</b>	<b>660</b>	<b>EAST</b>	<b>EDDY</b>

<sup>6</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Loc 1 dn.	Feet from the	North/South line	Feet from the	East/West line	County
<sup>7</sup> Proposed Pool 1 <b>CARLSBAD, SOUTH (MORROW)</b>					<sup>8</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>ROTARY</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3162.0'</b>
<sup>16</sup> Multiple <b>N</b>	<sup>17</sup> Proposed Depth <b>12,700'</b>	<sup>18</sup> Formation <b>MORROW</b>	<sup>19</sup> Contractor <b>UNDETERMINED</b>	<sup>20</sup> Spud Date <b>6-15-01</b>

<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8"	48	400'	400	SURFACE
12 1/4	8 5/8"	32	5,500'	1100	1800'
7 7/8	5 1/2"	17 + 20	12,700'	550	9300'

<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. **PROPOSE TO DRILL A MORROW WELL TO 12,700'. CEMENT WILL BE CIRCULATED TO SURFACE ON 13 3/8" CASING. PLAN TO TEST SIGNIFICANT SHOWS AND EVALUATE WITH ADE- QUATE LOGGING PROGRAM. COMPLETION OR ABANDONMENT WILL BE PERFORMED IN ACCORDANCE WITH PRUDENT PRACTICES (REGULATORY REQUIREMENTS). A DOUBLE RAM SERIES 900 BOP AND CHOKE MANI- FOLD WILL BE USED FROM INTERMEDIATE CASING TO T.D.**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <b>O.H. ROUTH</b>		OIL CONSERVATION DIVISION Approved by: <b>ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR</b>	
Printed name: <b>O.H. ROUTH</b>		Title:	
Title: <b>AGENT</b>		Approval Date: <b>JUN 04 2001</b> Expiration Date: <b>JUN 04 2002</b>	
Date: <b>5-22-01</b>	Phone: <b>915-683-5203</b>	Conditions of Approval: Attached <input type="checkbox"/>	

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's name and address.
- 2 Operator's OGRID number. If you do not have one, it will be assigned and filled in by the District office.
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'.
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD.
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:
 

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
- 12 Well type code from the following table:
 

O	Single oil completion
G	Single gas completion
M	Miscellaneous
I	Injection well
S	SWD well
W	Water supply well
C	Carbon dioxide well
- 13 Cable or rotary drilling code
 

C	Propose to cable tool drill
R	Propose to rotary drill
- 14 Lease type code from the following table:
 

S	State
P	Private
- 15 Ground level elevation above sea level.
- 16 Intend to multiple complete? Yes or No. Attach intended well bore diagram.
- 17 Proposed total depth of this well.
- 18 Geologic formation at TD.
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.