

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street Artesia, NM 88210-1404  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-101  
Revised February 10, 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**

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
		API Number 30-025-35089
Property Code 35019	Property Name Grouper State	Well No. 2

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	14	16S	32E		2308	South	1980	West	Lea

**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
Proposed Pool 1 Anderson Ranch Queen					Proposed Pool 2				

Work Type Code E	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 4280'
Multiple No	Proposed Depth 3900	Formation Queen	Contractor	Spud Date 12/10/2005

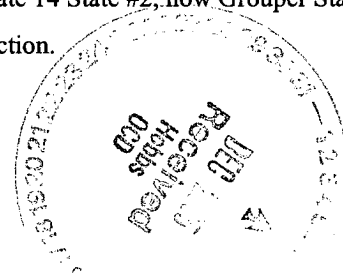
**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11	8 5/8	24	535	250	Circulated
7 7/8	5 1/2	15.5	3907	1000	Circulated

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.

Mack Energy Corporation proposes to Re-enter the formerly Green State 14 State #2, now Grouper State #2 to a depth of 3900' and evaluate the Queen formation, attempt to produce. Put well on production.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Re-Entry



I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature <i>Jerry W. Sherrell</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: Jerry W. Sherrell		Approval by: <i>[Signature]</i>	
Title: Production Clerk		Title: PETROLEUM ENGINEER	
Date: 12/2/2005		Approval Date: DEC 12 2005	
Phone: (505)748-1288		Expiration Date: Expiry Date	
		Conditions of Approval: Attached <input type="checkbox"/>	

DISTRICT I  
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P. O. Drawer DD, Artesia, NM 88210

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

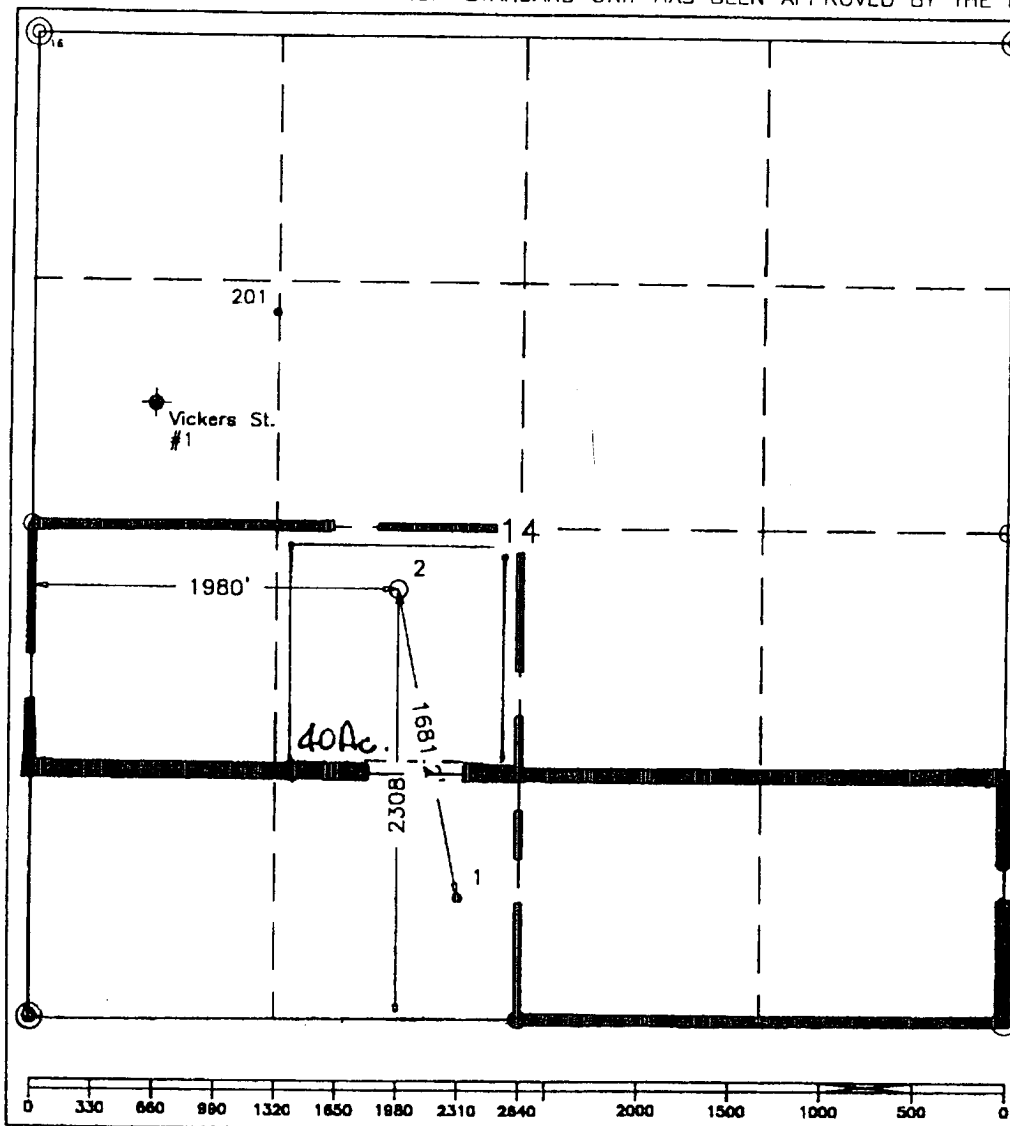
State Lease-4 copies  
Fee Lease-3 copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

<sup>1</sup> API Number 30-025-35099		<sup>2</sup> Pool Code 97027		<sup>3</sup> Pool Name Anderson Ranch Queen					
<sup>4</sup> Property Code 35019		<sup>5</sup> Property Name Grouper Statge						<sup>6</sup> Well Number 2	
<sup>7</sup> GRID No. 013837		<sup>8</sup> Operator Name Mack Energy Corporation						<sup>9</sup> Elevation 4280'	
<sup>10</sup> Surface Location									
<sup>11</sup> UL or lot no. K	<sup>12</sup> Section 14	<sup>13</sup> Township 16-S	<sup>14</sup> Range 32-E	<sup>15</sup> Lot Idn.	<sup>16</sup> Feet from the 2308'	<sup>17</sup> North/South line South	<sup>18</sup> Feet from the 1980'	<sup>19</sup> East/West line West	<sup>20</sup> County Lea
<sup>21</sup> Bottom Hole Location If Different From Surface									
<sup>22</sup> UL or lot no.	<sup>23</sup> Section	<sup>24</sup> Township	<sup>25</sup> Range	<sup>26</sup> Lot Idn.	<sup>27</sup> Feet from the	<sup>28</sup> North/South line	<sup>29</sup> Feet from the	<sup>30</sup> East/West line	<sup>31</sup> County
<sup>32</sup> Dedicated Acres 40		<sup>33</sup> Joint or Infill		<sup>34</sup> Consolidation Code		<sup>35</sup> 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.

	<sup>36</sup> OPERATOR CERTIFICATION	
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature <i>A. Phil Ryan</i>	
	Printed Name A. Phil Ryan	
	Position Commissioner Coordinator	
	Company Texaco Expl. & Prod. Inc.	
	Date July 17, 2000	
	<sup>37</sup> 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 knowledge and belief.	
	Date Surveyed July 14, 2000	
Signature & Seal of Professional Surveyor <i>John S. Piper</i>		
Certificate No. 7254 John S. Piper		
Sheet		

○ = Staked Location • = Producing Well = Injection Well ◊ = Water Supply Well ♦ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found /4 Section Corner, 1" Iron Pipe & GLO B.C.

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, 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

Fonn C-144  
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: <u>Mack Energy Corporation</u> Telephone: <u>(505) 748-1288</u> e-mail address: <u>jerrys@mackenergycorp.com</u>		
Address: <u>P.O. Box 960 Artesia, NM 88211-0960</u>		
Facility or well name: <u>Grouper State #2</u>	API #: _____	U/L or Qtr/Qtr <u>K</u> See <u>14</u> T <u>16S</u> R <u>32E</u>
County: <u>Lea</u>	Latitude _____	Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>		
<b>Pit</b>		
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/>		
Workover <input checked="" type="checkbox"/> Emergency <input type="checkbox"/>		
Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/>		
Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/>		
Pit Volume <u>500</u> bbl		
<b>Below-grade tank</b>		
Volume: _____ bbl Type of fluid: _____		
Construction material: _____		
Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. _____		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points) 0 Points
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) 0 Points
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0 Points
Ranking Score (Total Points)		0 Points

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☐ offsite ☐ If offsite, name of facility \_\_\_\_\_ (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☐ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐

Date: 12/6/2005

Printed Name/Title Jerry W. Sherrell/Production Clerk

Signature Jerry W. Sherrell

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title PETROLEUM ENGINEER

Signature [Signature]

Date: DEC 12 2005