

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

Form C-101
Revised June 10, 2003

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

| | | |
|--|--|---|
| ¹ Operator Name and Address Moriah Resources, Inc. P.O. Box 5562 Midland, TX 79704 | | ² OGRID Number 224376 |
| ³ Property Code 001328 | ⁵ Property Name Langlie Mattix Penrose Sand Unit | ⁴ API Number 30 - 025-36697 |
| | | ⁶ Well No. #203 |

⁷ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0 | 27 | 22S | 37E | | 189' | South | 1499' | East | Lea |

⁸ 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 |
|---|---------|----------|-------|---------|---------------|---|---------------|----------------|--------|
| ⁹ Proposed Pool 1 37240 Langlie mattix Seven Rivers Queen | | | | | | ¹⁰ Proposed Pool 2 Grayburg | | | |

| | | | | |
|-----------------------------------|---------------------------------------|--|---|---|
| ¹¹ Work Type Code N | ¹² Well Type Code 0 | ¹³ Cable/Rotary R | ¹⁴ Lease Type Code P | ¹⁵ Ground Level Elevation 3321' |
| ¹⁶ Multiple No | ¹⁷ Proposed Depth 3850' | ¹⁸ Formation Penrose Queen | ¹⁹ Contractor United Drilling | ²⁰ Spud Date Aug. 20, 2004 |

²¹ Proposed Casing and Cement Program

| Hole Size | Casing Size | Casing weight/foot | Setting Depth | Sacks of Cement | Estimated TOC |
|-----------|-------------|--------------------|---------------|-----------------|---------------|
| 12 1/4" | 8 5/8" | 24#/ft | 1200' | 400 sx | Surface |
| 7 7/8" | 5 1/2" | 15.5#/ft | 3850' | 1200 sx | Surface |
| | | | | | |
| | | | | | |
| | | | | | |

22 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.

1. MIRU Rotary tools. Drill 12 1/4" hole to 1200'.
 2. Run 1200' 8 5/8" 24#/ft csg. Circ cement to surf.
 3. Drill 7 7/8" hole to 3850'. Run 3850' 5 1/2" 15.5#/ft csg. Circ cement to surf.
 4. Complete as production well.
- 10" 1000# Annular BOP

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

| | | | |
|--|--|--|--|
| ²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Paul T. Horne</i> Printed name: Paul T. Horne Title: Operations Manager E-mail Address: paul@petroleumstrategies.com Date: 4/22/04 | | OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: PETROLEUM ENGINEER Approval Date: MAY 17 2004 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/> | |
|--|--|--|--|

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | | | |
|--------|---------------|----------------------------------|---------------|-----------------------------|----------------|
| 1 | API Number | 2 | Pool Code | 3 | Pool Name |
| | | 37240 | | Langlie Mattix Seven Rivers | Queen Grayburg |
| 4 | Property Code | 5 | Property Name | 6 | Well Number |
| 001328 | | Langlie Mattix Penrose Sand Unit | | #203 | |
| 7 | OGRID No. | 8 | Operator Name | 9 | Elevation |
| 224376 | | Moriah Resources, Inc. | | 3321' | |

¹⁰Surface Location

| | | | | | | | | | |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 0 | 27 | 22 S | 37 E | | 189' | South | 1499' | East | Lea |

¹¹Bottom 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 |
| ¹² Dedicated Acres | 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

| | | | |
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| | | | |

Moriah
LMPSU #203
Elev. 3321' 189'
————— 1499' ———→

17 OPERATOR CERTIFICATION

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

Paul T. Horne

Signature _____
Paul T. Horne

Printed Name _____
Operations Manager

Title _____
April 22, 2004

Date _____


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.

April 14, 2004

Date of Survey _____

Signature and Seal of Professional Surveyor _____



Certificate Number 10324

File No. A-2551

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State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
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Form C-144
March 12, 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: Moriah Resources, Inc. Telephone: 432-682-0292 e-mail address: paul@petroleumstrategies.com | | |
| Address: P.O. Box 5562 Midland, TX 79704 | | |
| Facility or well name: LMPSU #203 API #: _____ U/L or Qtr/Qtr 0 Sec 27 T 22S R 37E | | |
| County: Lea Latitude 495090.2 Longitude 866449.6 NAD: 1927 <input checked="" 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"/> | | |
| Pit | | |
| Type: Drilling <input checked="" type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness 20 mil Clay <input type="checkbox"/> Volume 3500 bbl | | |
| Below-grade tank | | |
| 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 <input checked="" type="checkbox"/> 100 feet or more | (20 points) (10 points) 10 (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 <input checked="" type="checkbox"/> | (20 points) (0 points) 0 |
| 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 <input checked="" type="checkbox"/> | (20 points) (10 points) (0 points) 0 |
| Ranking Score (Total Points) | | 10 |

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:

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.

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: **5/12/04**

Printed Name/Title **Paul T. Horne, Operations Manager** Signature *Paul T. Horne*

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:

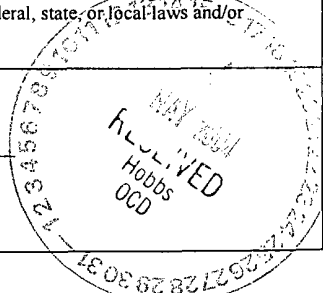
Date: **5/17/04**

Printed Name/Title

PETROLEUM ENGINEER

Signature

Paul T. Horne



LMPSU #203

