

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		⁴ API Number 30 - 025 - 36698
⁵ Property Name Langlie Mattix Penrose Sand Unit		⁶ Well No. #315

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
G	27	22S	37E		1553'	North	1444'	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 Grayburg	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code 0	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3330'
¹⁶ Multiple No	¹⁷ Proposed Depth 3825'	¹⁸ Formation Penrose Queen	¹⁹ Contractor United Drilling	²⁰ Spud Date July 31, 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	3825'	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 3825'. Run 3825' 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>		OIL CONSERVATION DIVISION	
Printed name: Paul T. Horne		Approved by: <i>[Signature]</i>	
Title: Operations Manager		Title: PETROLEUM ENGINEER	
E-mail Address: paul@petroleumstrategies.com		Approval Date: MAY 17 2004 Expiration Date:	
Date: 4/22/04	Phone: 432-682-0292	Conditions of Approval: Attached <input checked="" type="checkbox"/>	

C-101/C-144 DRILLING PIT REGISTRATION CODITIONS OF APPROVAL

API number:	30-025-36698		
OGRID:	224376	Operator:	MORIAH RESOURCES INC
			PO BOX 5562
			MIDLAND TX 79704
		Property:	LANGLIE MATTIX PENROSE SAND UNIT # 315

surface	ULSTR:	G	27	T	22S	R	37E
			1553	FNL	1444	FEL	

XXXXXX	Pit must be lined with a minimum of a 12 mil re-enforced or 20 mil re-enforced liner.
XXXXXX	The pit must be deep enough so that when pit is closed it can be covered with 3 feet of dirt and surface leveled
XXXXXX	If the pit is to be encapsulated in place, the liner is to be a minimum thickness of 20 mil re-enforced liner
	When using a 12 mil nylon re-enforced liner. The contents of the pit must be removed along with the liner and disposed of in an approved facility within 6 months of completion of the well.
XXXXXX	When using a 20 mil liner. The pit must be closed within 6 months of completion of the well.
XXXXXX	This site has a Ranking Score of 20 points or higher . The contents of the pit must be removed along with the liner and disposed of in an approved facility within 6 months of completion of the well.
XXXXXX	Before pit is closed, submit a subsequent Form C-144 along with any additional information which may be applicable to the appropriate NMOCD District Office for approval.
XXXXXX	Notify appropriate NMOCD District Office by E-mail 48 hrs prior to closing pit.
XXXXXX	The operator is required to comply with NMOCD guidelines.
XXXXXX	OCD approval does not release the operator of its responsibilities for compliance with any other federal, state, or local laws and/or regulations.

Drilling Pit Registration Approval
District Supervisor Chris Williams
District Geologist Paul F Kautz

505-393-6161
ext 102
ext 104

Drilling Pit closure
Environmental Spec Larry Johnson
Environmental Spec Paul Sheeley

505-393-6161
ext 111 lwjohnson@state.nm.us
ext 113 psheeley@state.nm.us

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brasas Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & 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

PO Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code 37240	3 Pool Name Langlie Mattix Seven Rivers Queen Grayburg
4 Property Code 001328	5 Property Name Langlie Mattix Penrose Sand Unit	6 Well Number #315
7 GRID No. 224376	8 Operator Name Moriah Resources, Inc.	9 Elevation 3330'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	27	22 S	37 E		1553'	North	1444'	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.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNIT ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>16</div> <p>Moriah LMPSU #315 Elev. 3330'</p>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Paul T. Horne</i> Signature Paul T. Horne Printed Name Operations Manager Title April 22, 2004 Date</p>	
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <p>April 14, 2004 Date of Survey Signature and Seal of Professional Surveyor</p> <p><i>Michael L. Stanford</i> MICHAEL L. STANFORD NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 10324 Certificate Number 10324</p>	

6 Miles South of Eunice, New Mexico.

File No. A-2549

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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 #315	API #: 36698	U/L or Qtr/Qtr G Sec 27 T 22S R 37E
County: Lea	Latitude 499028.1	Longitude 866554.6 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 <input checked="" type="checkbox"/> ~960' No	(20 points) 20 (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 <input checked="" type="checkbox"/>	(20 points) (10 points) (0 points) 0
Ranking Score (Total Points)		30

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: **5/17/05**

Printed Name/Title: **PETROLEUM ENGINEER** Signature: *Paul T. Horne*

LmAsu # 315

