

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  
March 4, 2004

Submit to appropriate District Office  
State Lease - 5 Co;  
Fee Lease - 5 Co;

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Moriah Resources, Inc. PO Box 5562 Midland, TX 79704		<sup>2</sup> OGRID Number 224376
		<sup>3</sup> API Number 30 - 025-25412
<sup>4</sup> Property Code 34540	<sup>5</sup> Property Name A.L. Christmas	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	28	22-S	37-E		1780	North	1980	West	Lea

<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 SWD; San Andres & Paddock	<sup>10</sup> Proposed Pool 2
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Drilling Pit Location and Other Information Note: will use steel reverse pits. No drilling pits will be dug.

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water	
<sup>11</sup> Work Type Code E	<sup>12</sup> Well Type Code S	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3350'	
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 5440'	<sup>18</sup> Formation Paddock	<sup>19</sup> Contractor Eunice Well Service	<sup>20</sup> Spud Date 1/24/05	

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
Existing 12 1/2"	8-5/8"	N/A	1160'	500	circ to surf
Existing 7-5/8"	5 1/2"	N/A	6699'	1925	circ to surf

<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 program & present/proposed well sketches.

SWD-957

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

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: Paul T. Horne

Printed name: Paul T. Horne

Title: Operations Manager

E-mail Address: paul@petroleumstrategies.com

Date: 1/7/05

Phone: 432-682-0292

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval:

Attached ☐

PETROLEUM ENGINEER

JAN 25 2005

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised June 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-25412	<sup>2</sup> Pool Code 96128	<sup>3</sup> Well Name SWD, San Andres Paddock
<sup>4</sup> Property Code	<sup>5</sup> Property Name Al Christmas	<sup>6</sup> Well Number 1
<sup>7</sup> GRID No. 224376	<sup>8</sup> Operator Name Moriah Resources, Inc.	<sup>9</sup> Elevation 3354'

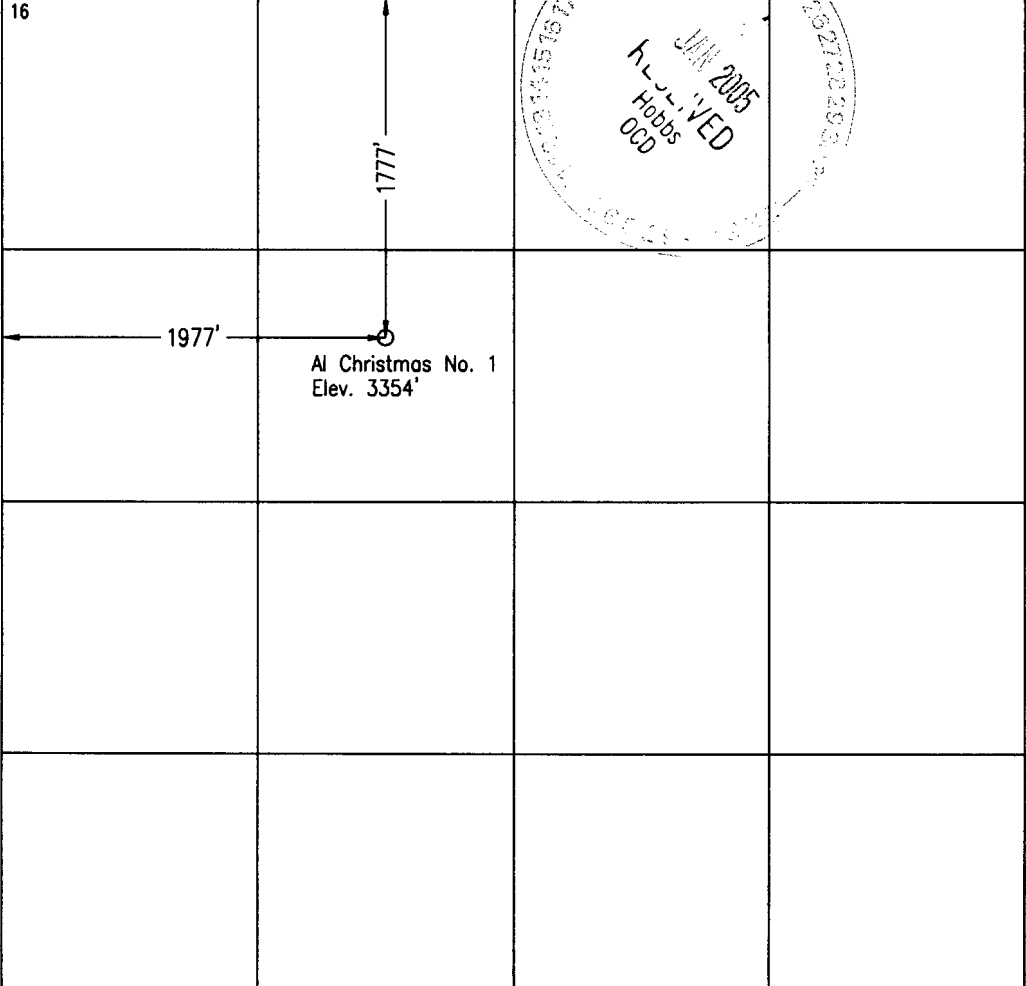
<sup>10</sup>Surface Location

UL or lot no. F	Section 28	Township 22 S	Range 37 E	Lot Idn	Feet from the 1777	North/South line North	Feet from the 1977	East/West line West	County Lea
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<sup>11</sup>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>12</sup> Dedicated Acres		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</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

	<p><sup>16</sup></p>	<p><sup>17</sup>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>Paul T. Horne</u></p> <p>Signature</p> <p><u>Paul T. Horne</u></p> <p>Printed Name</p> <p><u>Operations Manager</u></p> <p><u>paul@petroleumstrategies.com</u></p> <p>Title and E-mail Address</p> <p><u>1/20/05</u></p> <p>Date</p>
		<p><sup>18</sup>SURVEYOR CERTIFICATION</p> <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><u>1-18-2005</u></p> <p>Date of Survey</p> <p><u>Michael L. Stanford</u></p> <p>Signature and Seal of Professional Surveyor</p> <p><u>10324</u></p> <p>Certificate Number</p>

C-101 - A.L. Christmas #1

22. Describe the proposed program.

The well is currently P&A'ed.

1. Prior to rigging up, cut off P&A marker and cap. Weld on wellhead.
2. RU pulling unit and reverse unit. Drill out cmt plugs to new PBTD – 5440'.
3. Perforate & acidize San Andres and Paddock from 4025'-5380'.
4. Run 5-1/2" AD-1 injection packer on 2-3/8" J55 plastic coated tubing to 4000'. Circulate packer fluid and set packer. Run MIT test.
5. Put well on injection.

PRESENT

OPERATOR

LEASE

Gulf Oil Corporation

A.L. Christmas

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

1

1780' FNL and 1980' FWL

28

22 South

37 East

Schematic

Tabular Data

8 5/8"@1160

Surface Casing

Size 8 5/8" Depth 1160 ' Cemented with

TOC Surface feet determined by Circu

Hole size 12 1/2"

Intermediate Casing

Size None " Depth  ' Cemented with

TOC  feet determined by

Hole size

Long string

5123'-5309' Size 5 1/2" " Depth 6699 ' Cemented with 1

TOC Surface feet determined by Circu

CIBP @ 5467' Hole size 7 5/8"

35' cmt

Total depth 6700 ' Elevation 3350 ' GL

5489'-5907'

Production Interval: From \* ' To

Plugging Operations:

Surface casing pulled: Size  Amount 0

Top of stub  '

CIBP @ 6050'

35' cmt

Long String Casing pulled: Size  " Amount

Top of stub  '

Cement plugs:

1. Amount 10 sx From 5075 ' To 5175

2. Amount 10 sx From 3872 ' To 3972

3. Amount 10 sx From 3366 ' To 3466

4. Amount 20 sx From 2346 ' To 2546

5. Amount 20 sx From 1100 ' To 1300

6. Amount 60 sx From Surface To

CIBP @ 6390'

35' cmt

Bridge plug Set: Type \*\* Depth

Fluid in Hole P & A Mud

\*  
6458'-6575'

Drinkard 6458' - 6575'

Tubb 6108' - 6265'

Blinbry 5489' - 5907'

Paddock 5123' - 5309'

\*\*

CIBP @ 6390' with 35' Cement

CIBP @ 6050' with 35' Cement

CIBP @ 5467' with 35' Cement

5 1/2"@6699'

Total Depth 6700'

Drilling Completed 2-15-77.

AFTER

OPERATOR

LEASE

MORIAH RESOURCES INC.

A.L. Christmas

WELL NO.

FOOTAGE LOCATION

SECTION

TOWNSHIP

RANGE

1 - SWD

1780' FNL and 1980' FWL

28

22 South

37 East

SchematicTabular Data

8 5/8"@1160'

AD-1 Pkr @  
4000'Injection  
Perfs  
4025'-5380'PBSD @ 5440'  
CIBP @ 5467'  
35' cmt

5489'-5907'

CIBP @ 6050'  
35' cmt

6108'-6265'

CIBP @ 6390'  
35' cmt

6458'-6575'

5 1/2"@6699'

Total Depth 6700'

Surface CasingSize 8 5/8" Depth 1160' Cemented withTOC Surface feet determined by CircuHole size 12 1/2"Intermediate CasingSize None Depth ' Cemented withTOC  feet determined by Hole size Long stringSize 5 1/2" Depth 6699' Cemented with 1TOC Surface feet determined by CircuHole size 7 5/8"Total depth 6700' Elevation 3350' GLProduction Interval: From \*' To Plugging Operations:Surface casing pulled: Size  Amount 0Top of stub Long String Casing pulled: Size  Amount Top of stub Cement plugs:DRILLED OUT

1.	Amount	10	sx	From	5075	To	5175
2.	Amount	10	sx	From	3872	To	3972
3.	Amount	10	sx	From	3366	To	3466
4.	Amount	20	sx	From	2346	To	2546
5.	Amount	20	sx	From	1100	To	1300
6.	Amount	60	sx	From	Surface	To	

Bridge plug Set: Type \*\* Depth Fluid in Hole P & A Mud

Drinkard 6458' - 6575'

Tubb 6108' - 6265'

Blaineby 5489' - 5907'

Paddock 5123' - 5309'

CIBP @ 6390' with 35' Cement

CIBP @ 6050' with 35' Cement

CIBP @ 5467' with 35' Cement

Drilling Completed 2-15-77.