

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco. Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

Form C-101

Revised October 18, 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

<sup>1</sup> Operator Name and Address. <b>Merrion Oil &amp; Gas Corporation</b> 610 Reilly Avenue Farmington, New Mexico 87401		<sup>2</sup> OGRID Number 014634
<sup>4</sup> Property Code 32393	<sup>5</sup> Property Name <b>Disco Com</b>	<sup>3</sup> API Number 30-045-31686
		<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
P	16	26N	11W	SESE	815'	South	881'	East	San Juan

<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 Basin Fruitland					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 6270'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 1710' KB	<sup>18</sup> Formation Fruitland Coal	<sup>19</sup> Contractor L&B Speed Drill	<sup>20</sup> Spud Date As Soon As Permitted

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8-3/4"	7" J55	20 ppf or greater	~120' KB	~30 sx (35 cuft)	Surface
6-1/4"	4-1/2" J55	10.5 ppf or greater	~1710'KB	~142 sx (242 cuft)	Surface

<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.

Merrion Oil & Gas proposes to drill 8<sup>3</sup>/<sub>4</sub>" hole with native mud to approx. 120' KB and set 7" 20# J55 or greater surface casing, cement to surface with ~30 sx 'B' w/ 2% CaCl<sub>2</sub> (35 ft<sup>3</sup>). Will drill 6<sup>1</sup>/<sub>4</sub>" hole to TD @ approx. 1710' KB with low solids non-dispersed gel mud system. Run open hole surveys. Set 4<sup>1</sup>/<sub>2</sub>", 10.5# J55 or greater production casing, cement with 85 sx 'B' w/ extender (175 ft<sup>3</sup>), tail in with 57 sx (67<sup>3</sup>) Class B Top of cement should circulate to surface (will adjust volumes based upon caliper log). If cement does not reach surface, a temperature log or cement bond log will be run to determine top of cement.

Will test Fruitland Coal through perforated casing. Will fracture stimulate and put on for production test.

Drilling operations below surface casing will be conducted with a Bag type BOP in place, minimum working pressure 1000 psig.

Formation tops: Undif Tertiary - Surface', Ojo Alamo - 490', Kirtland - 635', Fruitland - 1158', Main Coal - 1540', Pictured Cliffs - 1560'.

Communitization agreement is in process.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

Connie S. Dinning

Title:

Production Engineer

Date:

May 13, 2003

Phone: 505-327-9801

## OIL CONSERVATION DIVISION

Approved by:

Title:

DEPUTY OIL &amp; GAS INSPECTOR, DIST. 45

Approval Date:

MAY 15 2003

Expiration Date:

MAY 15 2004

Conditions of Approval:

Attached ☐

State of New Mexico  
Energy, Minerals & Mining Resources Department  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C - 102

☐ AMENDED REPORT

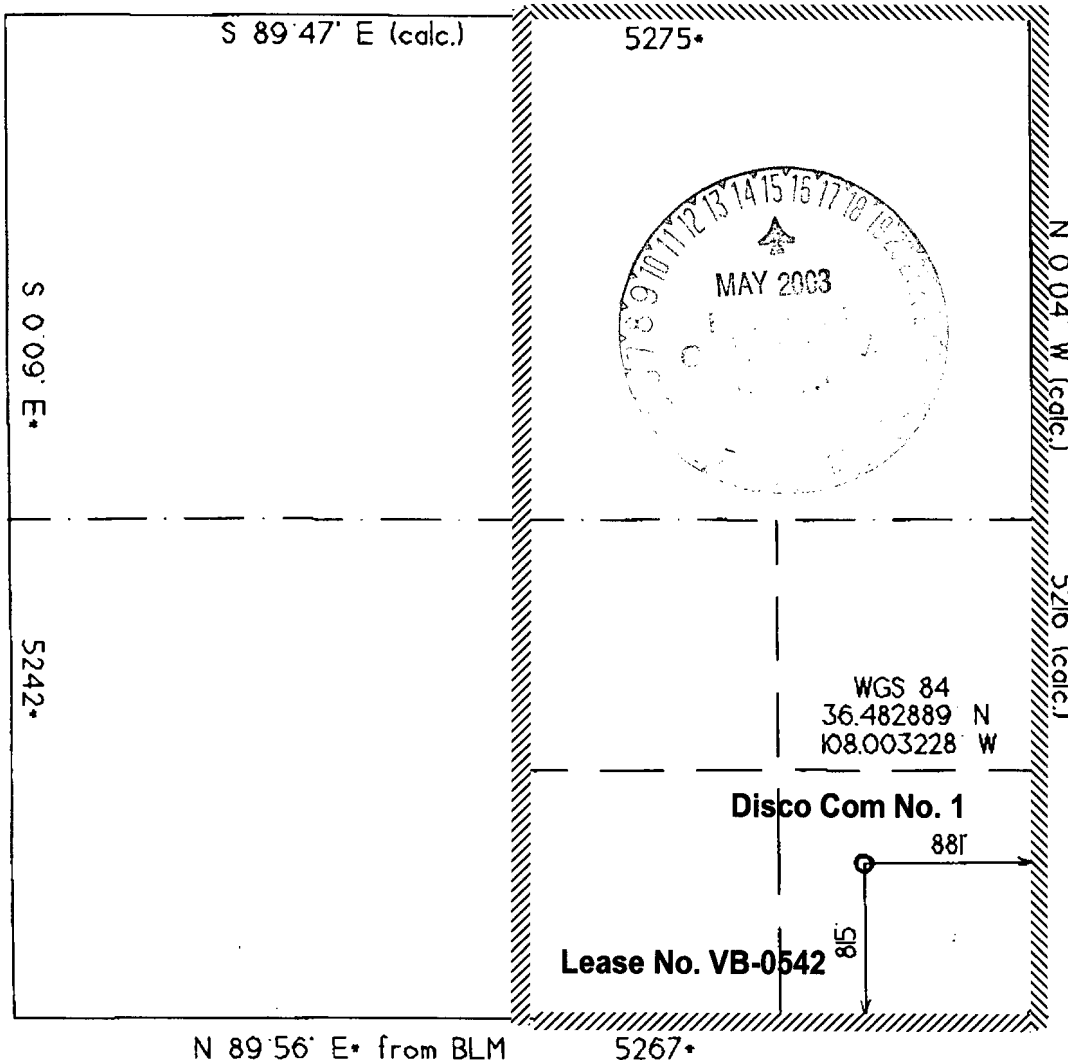
WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number <b>30-045-31686</b>	Pool Code 71629	Pool Name Basin Fruitland Coal
Property Code <b>32393</b>	Property Name Disco Com	Well Number 1
OGRD No. 014634	Operator Name MERRION OIL & GAS	Elevation 6270'

Surface Location									
UL or Lot P	Sec. 16	Twp. 26 N.	Rge. 11 W.	Lot Idn. sese	Feet from > 815'	North/South SOUTH	Feet from > 881'	East/West East	County SAN JUAN

Bottom Hole Location if Different From Surface									
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
Dedication 320		Joint ?		Consolidation		Order No.			

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	
Printed Name	Connie S. Dinning
Title	Production Engineer
Date	May 15, 2003
SURVEYOR CERTIFICATION	
I hereby certify that the well location 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.	
Date of Survey	
Signature and Seal of Professional Surveyor	