

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 & 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

¹ Operator Name and Address. Merrion Oil & Gas Corporation 610 Reilly Avenue Farmington, New Mexico 87401		² OGRID Number 014634
⁴ Property Code 24590		³ API Number 30-039-26177
⁵ Property Name State Pat		⁶ Well No. 1A

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
C	32	T30N	R7W		1065'	North	1940'	West	Rio Arriba

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 Blanco Mesaverde (72319)					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6220'
¹⁶ Multiple N	¹⁷ Proposed Depth 5700' RKB	¹⁸ Formation Mancos	¹⁹ Contractor Not Chosen	²⁰ Spud Date May 1999

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	36 lb.	~240' RKB	150 sx	Surface
8 3/4"	7"	23 lb.	~3250' RKB	425 sx	Surface
6 1/2"	4 1/2"	10.5 lb.	~5700' RKB	325 sx	Liner top @ 3175'

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.

Merrion will conduct the well drilling phase by drilling a 12 1/4" hole with spud mud to a depth of approximately 240 feet. After setting 9 5/8" surface casing will install blowout preventers, wait on cement and pressure test surface shoe to 600 psi prior to drill out. Will drill an 8 3/4" hole with conventional mud into the Lewis shale to a depth of approximately 3250 feet. After setting 7" intermediate casing, we will drill a 6 3/4" hole with air through the Lewis and Mesaverde formations into the Mancos shale to a total depth (td) of 5700 feet KB. After drilling to td, we will run logs. Finally, we will run a 4 1/2" liner and cement it in place to maintain wellbore integrity. Blowout preventers will be double ram, 3000 psi working pressure. (Wellbore schematic attached)

Formation tops: Ojo Alamo 2003', Kirtland 2203', Fruitland 2757', Pictured Cliffs 3080', Lewis 3208', Cliffhouse 4835', Menefee 4961', Point Lookout 5280', Total Depth 5700'.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Steven S. Dunn</i>		OIL CONSERVATION DIVISION Approved by: <i>Ernie Bush</i> 5-12-99 Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3	
Printed name: Steven S. Dunn Title: Drilling & Production Manager		Approval Date: MAY 12 1999 Expiration Date: MAY 12 2000	
Date: May 5, 1999 Phone: 327-9801 ext. 112		Conditions of Approval: Attached ☐ R-8316 (NSP)	

District I
 PO Box 1980, Hobbs, NM 88240-1980
 District II
 PO Drawer 110, Artesia, NM 88214-0719
 District III
 1000 N. Hiram M.L., Amar, 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-102
 Revised February 21, 1994
 Instructions on back
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 Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-26177	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 24590	Property Name State Pat	
OGRID No. 014634	Operator Name Merrion Oil & Gas Corporation	Well Number 1A
		Elevation 6220'

Surface Location

U.T. or lot no. 1C	Section 32	Township 30 N	Range 7 W	Lot Idn	Feet from the 1065'	North/South line North	Feet from the 1940'	East/West line West	County Rio Arriba
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Bottom Hole Location If Different From Surface

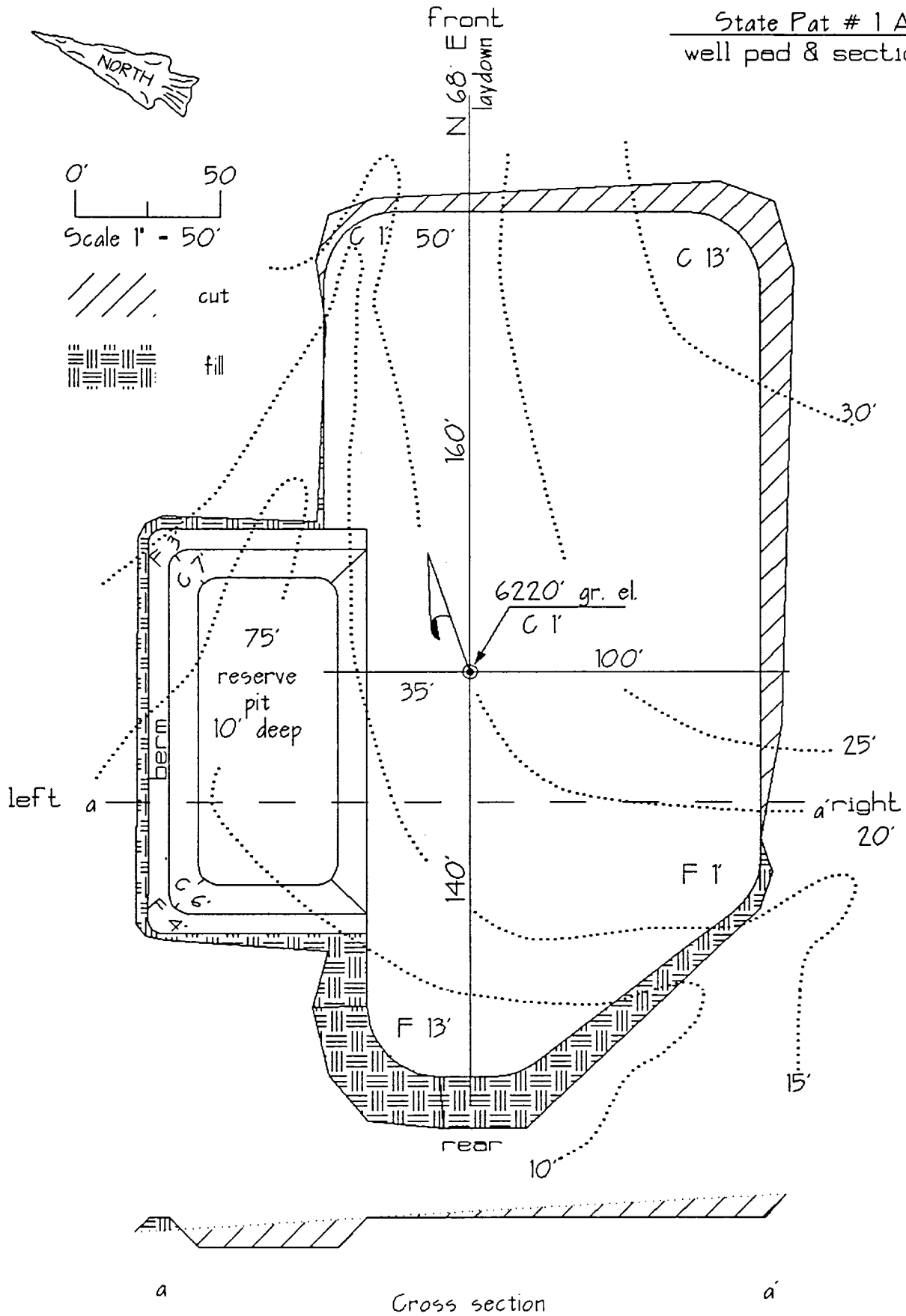
U.T. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acre 160	Lease or Infill Y	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

Lease: E-178	RECEIVED MAY - 6 1999 OIL CON. DIV. DIST. 3	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Steven S. Dunn</i> Printed Name: Steven S. Dunn Title: Drilling & Production Manager Date: May 5, 1999
		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. Date of Survey: May 5, 1999 Signature: <i>[Surveyor Signature]</i> Seal of Professional Surveyor: 6844 REGISTERED LAND SURVEYOR Certificate Number: _____

State Pat # 1 A
well pad & section



Merrion Oil & Gas Corporation

Wellbore Schematic

State Pat No. 1A

Proposed Wellbore Configuration

Location: 1065' fnl & 1940' fwl (ne nw)
 Sec 32, T30N, R7W, NMPM
 Rio Arriba Co, New Mexico
 Prepared: 05/5/99

Elevation: 6,220' GL
 6,233' RKB
 By: Steven Dunn

