

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 26049		³ API Number 30-045-30271
⁵ Property Name Flush		⁶ Well No. 1

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
F	2	26N	13W	SENW	1910	North	1765	West	San Juan

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 SWQ; Mesaverde 9660					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code SWD	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 6047'
¹⁶ Multiple No	¹⁷ Proposed Depth 3950' KB	¹⁸ Formation Mesaverde	¹⁹ Contractor Not Chosen	²⁰ Spud Date As Soon As Permitted

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" J55	36.0 ppf	~280' KB	~158 sx (134 cuft)	Surface
8-3/4"	7" J55	23 ppf	~3950' KB	~327 sx (653 cuft)	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.

Merrion Oil & Gas proposes to drill 12 1/4" hole with native mud to approx. 280' KB and set 9 5/8" 36# J55 surface casing, cement to surface with ~158 sx 'B' w/ 2% CaCl₂ (134 ft³). Will drill 8 3/4" hole to TD @ approx. 3950' KB with low solids non-dispersed gel mud system. Run open hole surveys. If appears to have sufficient injectivity, will set 7" 23 ppf J55 production casing from TD to surface, cement in single stage. Will cement w/ 327 sx (653 ft³) "Litecrete" cement to fill from total depth to surface. 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 Mesaverde injectivity through perforated casing. Will fracture stimulate.

Drilling operations below surface casing will be conducted with a double ram BOP in place, minimum working pressure 2000 psig.

Location is on existing well pad for the Shank No. 1.

Formation tops: Undif Tertiary - Surface, Kirtland - 76', Fruitland - 800', Fruitland Coal - 1211', Pictured Cliffs 1233',

Point Lookout - 3796'.

²³ 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: Engineer

Date: June 7, 2000

Phone: 505-327-9801

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 1

Approval Date: JUN - 9 2000

Expiration Date: JUN - 9 2001

Conditions of Approval:
Attached ☐

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number <i>50-045-30271</i>	Pool Code <i>96160</i>	Pool Name <i>SWD; Mesa Verde</i>
Property Code <i>26049</i>	Property Name FLUSH	Well Number 1
GRID No. 014634	Operator Name MERRION OIL & GAS	Elevation 6047'

Surface Location

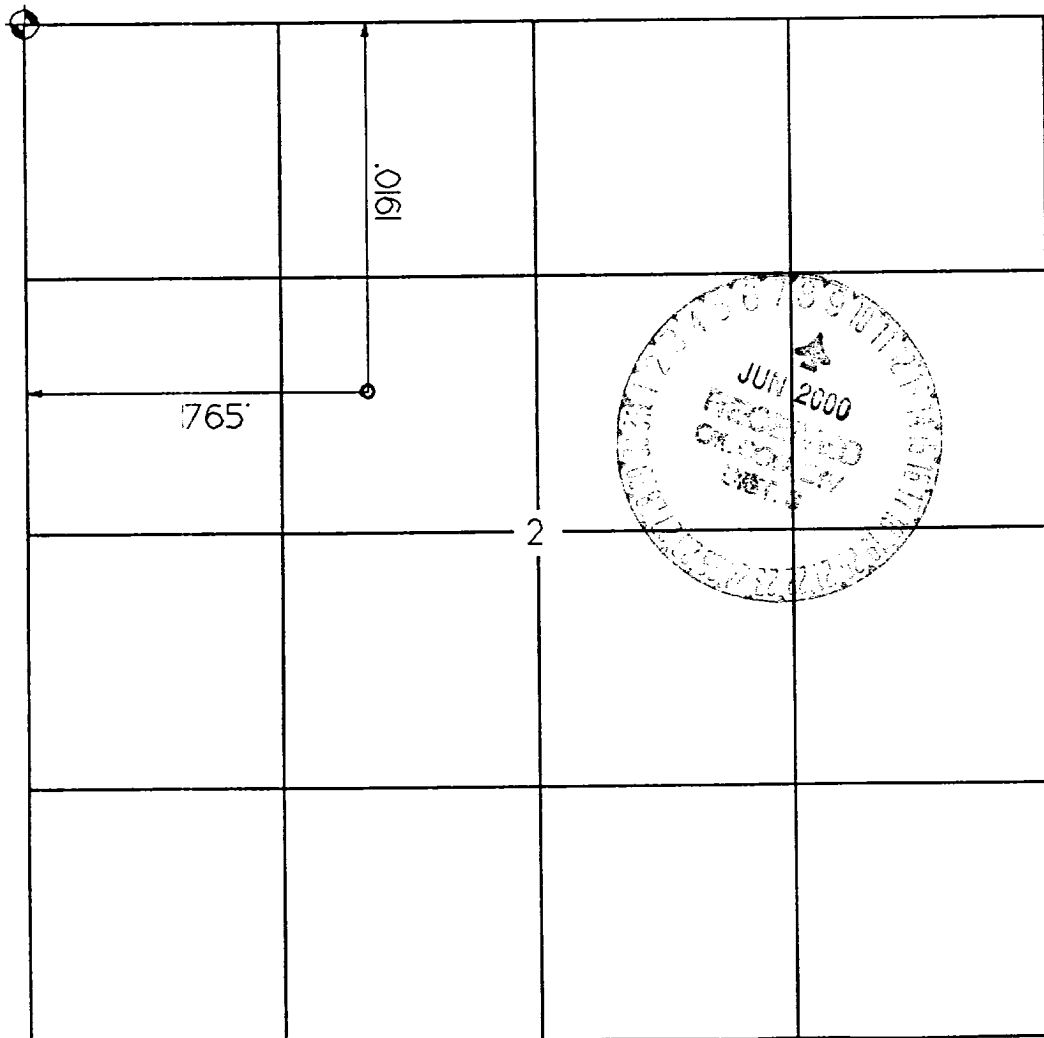
UL or Lot F	Sec. 2	Twp. 26 N.	Rge. 13 W.	Lot Idn. SE NW	Feet from > 1910	North/South NORTH	Feet from > 1765	East/West WEST	County SAN JUAN
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Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from >	North/South	Feet from >	East/West	County
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Dedication	Joint ?	Consolidation	Order No.
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NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



<p>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>Signature <i>[Signature]</i></p> <p>Printed Name Steven S. Dunn</p> <p>Title Dir. & Prod Manager</p> <p>Date 6/07/00</p>	
<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey 18 MAY 2000</p> <p>Signature and Seal of Professional Surveyor <i>[Signature]</i></p> <p>GERALD H. DDDLESTON NEW MEXICO 6844 REGISTERED LAND SURVEYOR</p>	