

District I
PO Box 1983, Hobbs, NM 88241-1980
District II
811 South F rst, 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, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address. Merrion Oil & Gas Corporaion 610 Reilly Avenue Farmington New Mexico 87401		² OGRID Number 014634
		³ API Number 30 - 045-29610
⁴ Property Code 23426	⁵ Property Name Redfern Com	⁶ Well No. 3

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
D	14	29N	13W		1115'	North	865'	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 West Kutz Pictured Cliffs Extension					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 5315'
¹⁶ Multiple N	¹⁷ Proposed Depth 1320'	¹⁸ Formation Pictured Cliffs	¹⁹ Contractor L&B Speed Drill	²⁰ Spud Date Est July, 1998

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8-3/4"	7"	23 ppf	120'	30 sx	Surface
6-1/4"	4-1/2"	10.5 ppf	1320'	150 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.

Merrion Oil & Gas proposes to drill 8³/₄" hole with native mud to approx. 120' KB and set 7" 23# J55 surface casing, cement to surface with ~30 sx 'B' w/ 2% CaCl₂ (36 ft³). Will drill 6¹/₄" hole to TD @ approx. 1320' KB with low solids non-dispersed gel mud system. Run open hole surveys. If appears productive, will set 4¹/₂" 10.5 ppf J55 production casing from TD to surface. Will cement with 100 sx 'B' w/ 2% SMS (206 ft³) and tail in with 50 sx 'B' (59 ft³) cement to fill from total depth to surface. Top of cement should circulate to surface. If cement does not reach surface, a temperature log or cement bond log will be run to determine top of cement.

Will test Pictured Cliffs sand through perforated casing. Will fracture stimulate and put on for production test.

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

This well is located within the City Limits of Farmington and a permit will be obtained from the City.

Formation tops: Kirtland - Surface, Fruitland - 880', Pictured Cliffs 1200'.

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

Signature:

Printed name: Steven S. Dunn

Title: Drilling & Production Manager

Date:
June 16, 1998

Phone:
505-327-9801

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Approval Date:

Conditions of Approval :
Attached ☐

Expiration Date:

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, 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
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29010	² Pool Code 49680	³ Pool Name West Kutz Pictured Cliffs Extension
⁴ Property Code 23426	⁵ Property Name Redfern Com	⁶ Well Number 3
⁷ OGRID No. 014634	⁸ Operator Name MERRION OIL & Gas	⁹ Elevation 5315

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	14	29 N.	13 W.		1115	North	865	West	San Juan

¹¹ Bottom Hole Location If Different From Surface

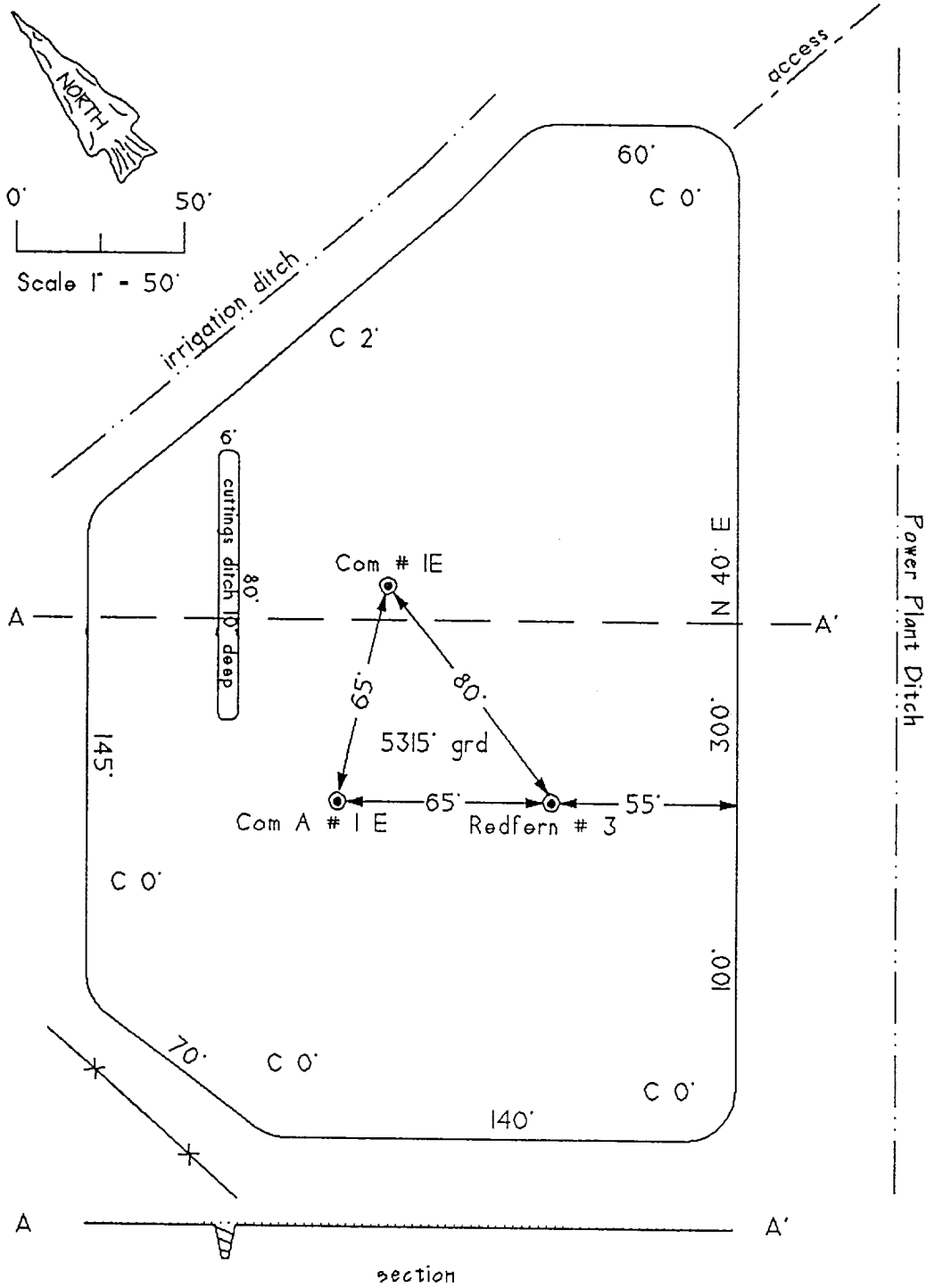
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

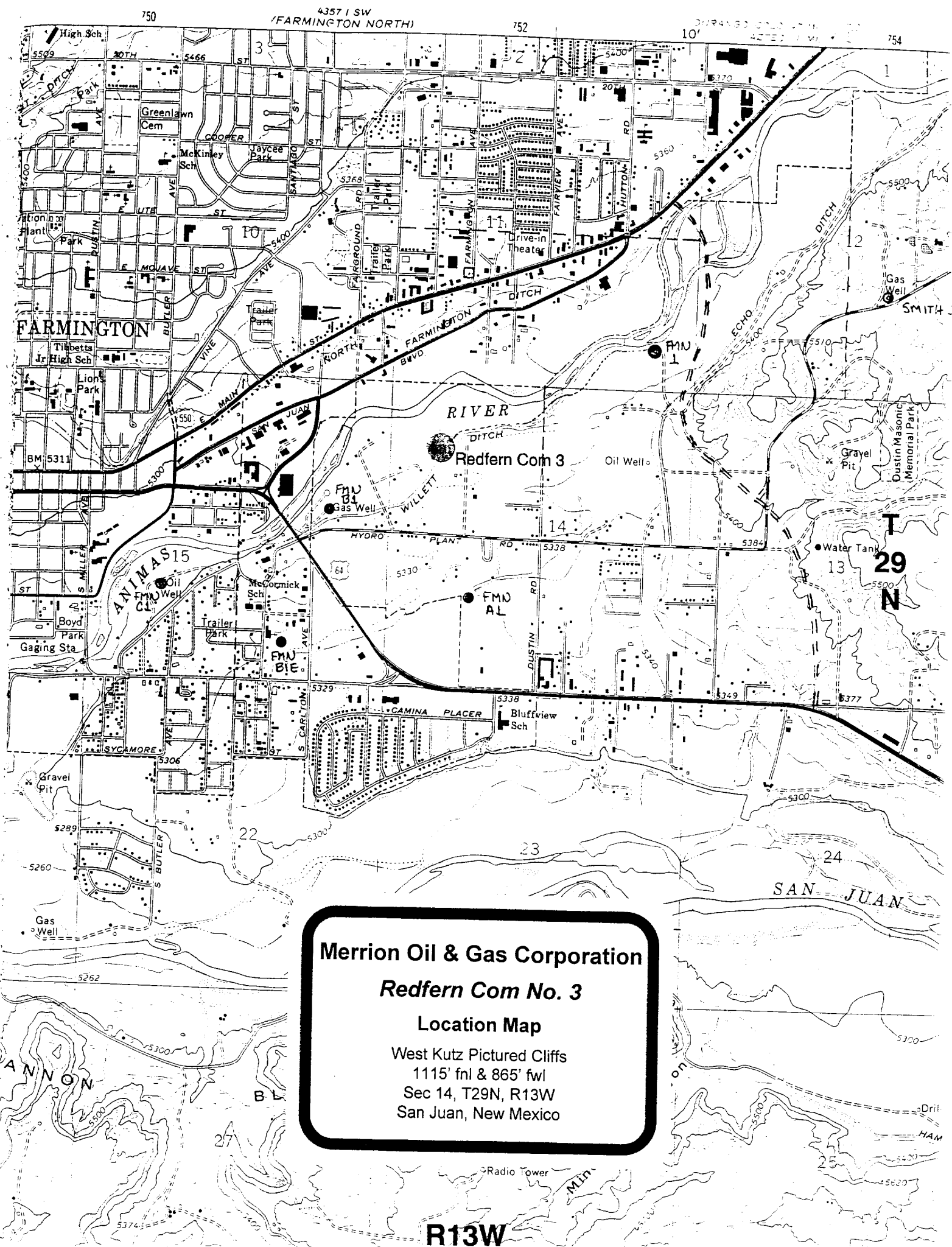
¹² Dedicated Acres 160	¹³ Joint or Infill N	¹⁴ Consolidation Code P	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p>RECEIVED JUN 16 1998</p> <p>OIL CON. DIV. DIST. 3</p>	<p>¹⁷ 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></p> <p>Signature _____ Steven S. Dunn Printed Name Drilling & Production Manager Title June 16, 1998 Date</p>
		<p>¹⁸ 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 knowledge and belief</p> <p>Date of Survey _____ Signature and Seal of Professional Surveyor: </p> <p>6844 Certificate Number</p>

Riverine Dakota
well pad & section





Merrion Oil & Gas Corporation

Redfern Com No. 3

Location Map

West Kutz Pictured Cliffs

1115' fnl & 865' fwf

Sec 14, T29N, R13W

San Juan, New Mexico

R13W

Merrion Oil & Gas Corporation
Wellbore Schematic
Redfern Com No. 3
Proposed

Location: 1115' fnl & 865' fwl (nw nw)
Sec 14, T29N, R13W, NMPM
San Juan County, New Mexico
Date: June 15, 1998

Elevation: 5315' GL
5320' RKB

Prepared by: Steven S. Dunn

