Form 3160-3 (July 1992)

SUBMIT IN TRIPLICATE. (Other instructions on UNITED STATES reverse side)

FORM APPROVED OMB NO. 1004-0136

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR DEEPEN DRILL DEEPEN DEEPEN OIF ALBUQUERQUE. MULTIPLE Media Entrada Unit FARMORIBARINAME WELL OTHER BINGLE SINGLE MULTIPLE Media Entrada Unit FARMORIBARINAME WELL NO MEU NO. 9 AN WELL NO MEU NO. 9 AN WELL NO 10. FIELD AND PROJ. OR WILLOUT AT NULTIPLE AT NULTIPLE AT NULTIPLE AT NULTIPLE 390' fsl & 100' fwl (SWSW) At proposed prod. Eone Media Entrada 4560 11. SEC., T. R., M., OR BLER. AND SURVEY OF AREA Media Entrada 4560 11. SEC., T. R., M., OR BLER. AND SURVEY OF AREA MEDIA NO PROPOSED 12. COUNTY OR PARISH 13. STATE 20 miles southwest of Cuba, New Mexico 13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles southwest of Cuba, New Mexico 15. DISTANCE FROM PROPOSED LOCATION* VALUE OF ACRES IN LEASE 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL TO THIS WELL TO THIS WELL OTHER 20. ROTARY OR CABLE TOOLS ROTARY ROTARY 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING, COMPLETED. OR AFFLIED FOR, ON THIS LEASE, FT. 400' ± 5060' ROTARY OR CABLE TOOLS ROTARY ROTARY ROTARY 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED. OR AFFLIED FOR, ON THIS LEASE, FT. 400' ± 5060' ROTARY C. ROTARY OR CABLE TOOLS ROTARY 20. ROTARY OR CABLE TOOLS ROTARY		DEDIDEMEN	T OF THE IN	TEDIOD		Expires: Peorary 28, 1995			
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OIL WELL WELL OTHER SINGLE MULTIPLE 5. FAMOR LANSH NAME WILL NO. 9 WELL NAME OF OPERATOR Merrion Oil & Gas Corporation 146.34 ADDRESS AND TELEPHONE NU. 610 Reilly Ave., Farmington, NM 87401-2634 505-327-9801 610 Reilly Ave., Farmington, NM 87401-2634 505-327-9801 610 Reilly Ave., Farmington, NM 87401-2634 505-327-9801 610 Field and Fool. OR WILDCAT At MULTIPLE 390' fwl (SWSW) At MILITARY 390' fsl & 100' fwl (SWSW) At proposed prod. zone 10. Field and Fool. OR WILDCAT Media Entrada 4560 11. ESC., T. E., M., OR BLE. AND BURYET OF AREA SOLUTION FROM NEAREST TOWN OR POST OFFICE* 20 miles southwest of Cuba, New Mexico 10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles southwest of Cuba, New Mexico 10. DISTANCE FROM PROPOSED. LOCATION TO NEAREST TO NEAREST TO NEAREST TO NEAREST TO NEAREST TO NEAREST WELL DELLING, COMPLETED. OR APPLIED FOR. ON THIS LEARE, FT. (Also to nearest delig. unit line, if any) 100' 100' 100 PROPOSED DOCATION TO NEAREST TO NEAREST WELL DELLING, COMPLETED. OR APPLIED FOR. ON THIS LEARE, FT. 400' ± 5060' ROTARY OR CABLE TOOLS TO NEAREST WELL, DELLING, COMPLETED. OR APPLIED FOR. ON THIS LEARE, FT. 400' ± 5060' ROTARY OR CABLE TOOLS ROTARY 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6834' GR PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE ORADE, EZZOF CASINO WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT			DEEPEN 🗌	j UID ALE	BUUUERUUE.	.T.I.UNIT AGREEMENT NAME			
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PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE GRADE SZEOFCASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT	21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*			
PROPOSED CASING AND CEMENTING PROGRAM SIZE OF ROLE GRADE SZEOFCASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT						June, 1996			
	23.		PROPOSED CASING	G AND CEMENTING PR	OGRAM				
10-3/4" 9-5/8" 36# 240' ± 150 sxs (177 cu.ft.)	SIZE OF ROLE	ORADE, SIZE OF CASING	WEIGHT PER FOO	T SETTING DEP	гн	QUANTITY OF CEMENT			
	10-3/4"	9~5/8"	36#	240'	± 150	50 sxs (177 cu.ft.)			
8-3/4" 7" 23# 5460' ± 740 sxs (1378 cu.ft.)	8-3/4"	7"	23#	5460'	± 740	sxs (1378 cu.ft.)			

We propose to drill 12-1/4" surface hole to 240 ft. and set 240 ft. of 9-5/8", 36#, J-55 surface casing with 150 sxs Class B (177 cu.ft.) 2% CaCl2. Will wait on cement 10 hrs, pressure test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5460 ft. Will run open hole logs. If well appears productive, we will run 5460 ft. of 7", 23#, J-55 casing and cement 1st Stage with 290 sxs (597 cu.ft.) of Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft.), followed by 75 sxs (92 cu.ft.) of Class H with 2% gel (yield 1.22 cu.ft./sx). Will circulate 3-4 hours between stages. Second stage tool in Mancos at ± 2100 ft. Will cement with 275 sxs (567 cu.ft.) of Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft./sx), followed by 100 sxs (122 cu.ft.) of Class H with 2% gel (yield 1.22 cu.ft./sx). Estimated top of cement is at the

surface. We will perforate and stimulate as necess	ary to test the potentially pr	oductive intervals.
Additional drilling technical details are attached.		
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give deepen directionally, give pertinent data on subspiritace locations and measured and true	e data on present productive zone and propo vertical depths. Give blowout preventer progra	sed new profifetive cond Reproposal into drill or un, if any.
Steven S. Dunn TITLE	Operations Manager	OIL COMPONIVO
(This space for Federal or State office use)	APPROVAL DATE	
Application approval does not warrant or certify that the applicant holds legal or equita CONDITIONS OF APPROVAL, IF ANY:	ble title to those rights in the subject lesse which	h would entitle the applicant to conduct operations there
APPROVED BY TITLE RICE	REA MANAGER D PUERCO RESCURCE AREA	QUN 2 8 1996
Hold C-cey for NSL See Instruction	ons On Reverse Side	and deposit on persons of the

District (
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

PO Box 2088, Santa Fe. NM 87504-2088

District IV

State of New Mexico Energy, Minerals & Natural Resources Departmen

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

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

		VV 15		CATION	I AND ACE	CEAGE DEDI		<i>71</i>			
1	API Number			³ Pool Code			Pool Name				
30	-048-	20936 45600 Media Ent			Media Entrada						
4 Property			Property Name 'Well Number					Well Number			
7811	,				MEU 9					9	
'OGRID!					* Operator	Name				' Elevation	
014634				MERF	RION OIL	& GAS				6834'	
	10 Surface Location										
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/Wes	t line	County	
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County	
OF or lot no.	50052										
13 Dedicated Acr	es '' Joint	or Infill 14 C	onsolidatio	n Code 15 C	rder No.		 	·			
160				-							
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MERRION OIL & GAS CORPORATION DRILLING TECHNICAL PROGRAM

(Attachment to Form 3160-3)

MEU No. 9

390' fsl & 100' fwl (SW SW) Section 14, T19N, R03W Sandoval County, New Mexico

1. ESTIMATED FORMATION TOPS:

FORMATION	DEPTH	FORMATION	DEPTH
Cliff House Menefee Point Lookout Mancos Gallup Greenhorn Graneros	248' 857' 1858' 2064' 2755' 3931' 3962'	Dakota Morrison Summerville Todilto Entrada Total Depth	4182' 4435' 5167' 5207' 5257' 5460'

2. WELL CONTROL SYSTEM

- A. Proposed blowout preventer system (schematic drawings attached) is a series 900 double ram with choke and kill manifold, and will be used in 2M service.
- B. Minimum required working pressure rating for BOP stack is 2000 psi.
- C. BOP pressure testing will be conducted at time of installation and prior to drillout of surface casing shoe. The BOP's will be activated at minimum on each trip for a bit and recorded in driller's log.

3. DRILLING MUD PROGRAM

- A. Surface hole will be drilled with fresh water gel system, lime added to provide viscosity as needed.
- B. A 8-3/4" hole will be drilled to total depth utilizing a low solids, non-dispersed gel-water mud system. Additives such as starch, cmc, soda ash and others will be used to control mud characteristics as necessary. No materials of a hazardous nature will be added to the drilling fluid in hazardous quantities.

Lost circulation materials will be stored on location, as necessary, for use in restoring lost circulation.

