#### SUBMIT IN TRIPLICATE. (Other instructions on

FORM APPROVED OMB NO. 1004-0136

BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR DEPEN  DRILL DEEPEN 95 JUL 1 PM 1: 38  MAY 30 Allotted  THE OF WELL OFFIRE  OFFI	July 1992)		ED STATES	reverse si	ide)	Expires: February 28, 1995
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Merriton Oil & Gas Corporation   UCOM    Merriton Oil & Gas Corporation   UCOM    D. O. Box 840, Farmington, NM 87499   10. Fills AND POOL 98 WILCOX    1955' finl & 100' fel (SE NE)   1955' finl & 100' fel (SE NE)    At proposed prod. sope   CONFIDENTIAL    At indicating the miles and direction read was allowed by the confidence of th	ov — a.e			SINGLE Y MULTIP	LE	
Merrino 011 & Gas Corporation  P. O. Box 840, Farmington, NM 87499  P. O. Box 840, Farmington, NM 87499  1002 Triving of Well (Report location clearly and in secondace with any State requirement.")  At proposed prod. sone  CONFIDENTIAL  CONFI		OTHER			NIT	EMU #5 11.706
ALTERNATION CONTINUES TO PROPOSED CASTON AND CEMENTING PROGRAM  SIED OF ROLE OF THE STATE OF THE	Merrion Oil & G	as Corporation	1111.31	Old Highwains	· • · ·	
P. O. BOX 840, Farmington, NM 87499  LOCATION OF VELL (Report locations clearly and in accordance with any State requirements.")  1955' fin1 & 100' fe1 (SE NE)  At proposed prod. some  CONFIDENTIAL  At marker in miles and discretion from Marker town on rost office.  At marker in miles and discretion from Marker town on rost office.  BIENANCE FROM FROMORD (Laboration from Marker town on rost office.)  BIENANCE FROM FROMORD (Laboration from Marker town on rost office.)  BIENANCE FROM FROMORD (Laboration from Marker town on rost office.)  BIENANCE FROM FROMORD (Laboration from Marker town on rost office.)  BIENANCE FROM FROMORD (Laboration from Marker town on rost office.)  BIENANCE FROM FROMORD (Laboration from from from from from from from from			1404	<del></del>		30-043-20935
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At proposed brod. 100° fe1 (SE NE)  DIRTANCE IN MILES AND DIRECTION FROM PARABEST TOWN OR FORD SPICE*  Southwest of Cuba, New Mexico  DIRTANCE FOR PROPOSED CASE OF THE STATE	LOCATION OF WELL (Repo	rt location clearly and	in accordance with a	ny State requirements.*)		Eagle Mesa Entrada
DISTANCE IN MILES AND DISECTION TOWN PARKET TOWN OR POST OFFICE*  DISTANCE FROM PROPOSED LOCATION TO MALKET TOWN OR NOW MEXICO  DISTANCE FROM PROPOSED LOCATION TO MALKET TOWN IN THE MEXICO TO NEAREST TO THIS WELL  LOCATION TO MALKET FOR THE PT.  100' 16. NO. OF ACRES IN LEASE  1100' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700' 1700	195	5' fn1 & 100'		•		11. SBC., T., R., M., OR BLK.
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30 miles southwest of Cuba, New Mexico  DISTANCE FROM PROPEBED LA PROPERED IN THE PROPERTY OF						· /
DISTANCE FROM PROPOSED  PROPOSED LEASE LIFE. FT.  100'  160  11. NO. OF ACRES IN LEASE  TO THIS WELL BELLEY.  1450' 1 19. PROPOSED DEPTH  20. ROTAR OF CABLE TOOLS  40  ROTAR OF ACRES IN LEASE  1450' 1 19. PROPOSED DEPTH  20. ROTAR OF CABLE TOOLS  70' AFREE TOOLS  ROTAR OF CABLE TOOLS  70' AFREE TOOLS  ROTAR OF CABLE TOOLS  70' AFREE TOOLS  22. APPROX. DATE WORK WILL STATE  AUGUST, 1995  PROPOSED CASING AND CEMENTING PROGRAM  8122 OF ROLE  10-3/4"  7'' 23# 5610' 1 740 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 sx Class B  (177 cu.ft.) 2% CaCl <sub>2</sub> . Will wait on cement 10 hrs, press test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5610 ft.  Will run open hole logs. If well appears productive, we will run 5610' ft of "", 23#, J-55 casing and cement Is 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 hrs between stages. Second stage tool in Mancos at ± 2350'. 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 necessary to test the potentially productive intervals.  Additional drilling technical details are attached.  PERSONE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to descen, give data on present productive zone and proposed new productive zone. If proposal is to descen, give data on present productive proposed new productive zone. If proposal is to descen, give data on present productive zone and proposed new productive zone. If proposal is to descen, give data on present productive zone and proposed new productive zone. If proposal is to descen, give data on present productive zone and proposed new productive zone. If proposal is to descen, give data on present productive zone an				FFICE*		· ·
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SIZE OF NOLE   GRADE BESONGED   STATIC STA	LOCATION TO NEAREST			· · · · ·		THIS WELL
TO STARTEST WELL SHILL HER, CONTINUES.  ELEVATIONS (Show whether DF, RT, GR, etc.)  1450' ± 5610' ROTATY  ROLL ORGANISTIC CASING AND CEMENTING PROGRAM  BIZE OF ROLE ORGANISTOCOMO WEIGHT PER POOT SETTING DEPTH QUANTITY OF CEMENT  10-3/4" 9-5/8" 36# 240' ± 150 sxs (177 cu.ft.)  We propose to drill 12-1/4" surface hole to 240 ft. and set 240 ft. of 9-5/8", 36#, 1-55 surface casing with 150 sx Class B (177 cu.ft.) 29% CaCl <sub>2</sub> . Will wait on cement 10 hrs, press test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5610 ft. Will run open hole logs. If well appears productive, we will run 5610' ft of 7", 23#, 1-55 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 hrs between stages. Second stage tool in Mancos at ±2350'. 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 necessary to test the potentially productive intervals.  Additional drilling technical details are attached.  PEB - 5 1396  OFFI COMMON MANAGER COMMON MANAGE	(Also to nearest drig. u	nit line, if any			20 505	
PROPOSED CASING AND CEMENTING PROGRAM   August, 1995	TO NEAREST WELL DRIL	ling, completed,			20. ROT	_
PROPOSED CASING AND CEMENTING PROGRAM  BIZE OF ROLE  ORACL EMON CASING AND CEMENTING PROGRAM  BIZE OF ROLE  ORACL EMON CASING AND CEMENTING PROGRAM  BIZE OF ROLE  ORACL EMON CASING AND CEMENTING PROGRAM  BIZE OF ROLE  ORACL EMON CASING AND CEMENTING PROGRAM  WEIGHT PER POOT  SETTING DEPTH  QUANTITY OF CEMENT  10-3/4"  9-5/8" 36# 240' ± 150 sxs (177 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 sx Class B (177 cu.ft.) 2% CaCl <sub>2</sub> . Will wait on cement 10 hrs, press test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5610 ft. Will run open hole logs. If well appears productive, we will run 5610' 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 hrs between stages. Second stage tool in Mancos at ± 2350'. 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 necessary to test the potentially productive intervals.  Additional drilling technical details are attached.  PER - 5 1996  OFFI COMMAN AND AND AND AND AND AND AND AND AND A		- <u> </u>	145U ±	2010	1	
BIER OF ROLE    ORACE RIBOF CASING AND CEMENTING PROGRAM   SIZE OF ROLE   ORACE RIBOF CASING   WEIGHT FER FOOT   SETTING DEPTH   QUANTITY OF CEMENT		er we, sil. us. sic.)				
WEIGHT PER POOT  10-3/4"  9-5/8"  36# 240' ± 150 sxs (177 cu.ft.)  8-3/4"  7"  23# 5610' ± 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 easing with 150 sx Class B (177 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 easing with 150 sx Class B (177 cu.ft.) 2% CaCl <sub>2</sub> . Will wait on cement 10 hrs, press test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5610 ft. Will run open hole logs. If well appears productive, we will run 5610' 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 hrs between stages. Second stage tool in Mancos at ± 2350'. 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 necessary to test the potentially productive intervals.  Additional drilling technical details are attached.    Column			· · ·	<del></del>		1 August, 1779
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Steven S. Dunn TITLE Operations Manager DATE 7/10/95  (This space for Federal or State office use)	Will run open hole 290 sxs (597 cu.ft.) gel (yield 1.22 cu.ft 275 sxs (567 cu.ft. with 2% gel (yield test the potentially	logs. If well appears of Class B, 2% Sod t./sx). Will circulate of Class B, 2% Soc 1.22 cu.ft./sx). Estimproductive intervals.	s productive, we will ium Metasilicate (y 3-4 hrs between st lium Metasilicate () nated top of cemen	ill run 5610' ft of 7", 23#, yield 2.06 cu.ft.), followed ages. Second stage tool ir yield 2.06 cu.ft./sx), follow	J-55 cas by 75 sx Mancos wed by 10 ll perfora	ing and cement 1st Stage with as (92 cu.ft.) of Class H with 2% at ± 2350'. Will cement with 00 sxs (122 cu.ft.) of Class H te and stimulate as necessary to
SIGNED  Steven S. Dunn  TITLE Operations Manager  Operations Manager  Operations Manager  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE		- *	. All Articles			120 0 1000 12
SIGNED  STEVEN S. Dunn  TITLE Operations Manager  Operations Manager  Operations Manager  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE		हैं। - : -	-	i	(0)	M. COM ENERA
SIGNED  STEVEN S. Dunn  TITLE Operations Manager  Operations Manager  Operations Manager  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE  APPROVAL DATE			·		<u> </u>	PERSONAL PULS.
Steven S. Dunn TITLE Operations Manager DATE 7/10/95  (This space for Federal or State office use)	, nove en . A preceire a	POPER PROCEASE IF	recognities to deepen eise	e data on present productive zone	and propos	ಲೆಟ್ಟರು ಪ್ರ ed new productive zone. If proposal is to drill c
Steven S. Dunn TITLE Operations Manager DATE 7/10/95  (This space for Federal or State office use)	ABUVE SPAUE DESCRUBE P pen directionally, phys pertinen	r design albeurface location	s and measured and true	vertical depths. Give blowout preve	urer program	n, if any.
(This space for Federal or State office use)  PERMIT NO		XV				
(This space for Federal or State office use)  PERMIT NO	-ATXX	Steven	S. Dunn	Operations Mana	ager_	7/10/95
PERMIT NO APPROVAL DATE ADDROVED						
ABDRI)VED	(This space for Federal	or State office use)				
ABDRIVED	U STANIT NO			APPROVAL DATE		
A - I - Note to the state of th			منجم مراجعا عارما بمجانا		lesse which	would drive the contract operations the
	CONDITIONS OF APPROVAL, IF					4000

\*See Instructions On Reverse Side

MILLERSON

District I PO Box 1980, Hobbs, NM \$2241-1980 District II 811 Seath First, Artesia, NM \$8210 District III 1000 Rio Brazos Rd., Aztoc, NM \$7410

2040 South Pacheco, Santa Fe, NM 87505

District IV

# State of New Mexico Energy, Minerain & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies

X AMENDED REPORT

Fee Lease - 3 Copies

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		<sup>1</sup> Pool Code	³ Pool Name			
30-043-20935		20430	Eagle Mesa Entrada	cada		
<sup>4</sup> Property Code		, 1	Property Name	* Well Number		
16788		Eagle 1	Mesa Unit	005		
'OGRID No.		' (	perator Name	* Elevation		
014634		Merrion Oil	6646'			

# 10 Surface Location

١	UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
	Н	14	19N	4W	SENE	1955	north	100	east	Sandoval

# 11 Bottom Hole Location If Different From Surface

UL or lot so.	Section 1/4	Township 1,919	Range 4W	Lot Ida SENE	Feet from the	North/South line	Feet from the	East/West line	County Sandoval
12 Dedicated Acre	co 13 Joint	or Lafill 14	Consolidatio	a Code 15	Order No.				
120	Y		Ŭ		R-10213	,			

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

OR A NON-STAI	NDARD UNIT HAS BEEN APPROVED I	BY THE DIVISION
16	1/1/1/////////////////////////////////	<sup>17</sup> OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
2591	(a)	Shun Shun
(H) 40	BHL (E)	Signature Printed Name
Emus 100:		Steven S. Dunn Title Operations Manager Date 1/14/96
Section 14	Section 15	18SURVEYOR 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.
	DECEIVED	Date of Survey Signature and Seal of Professional Surveyer:
	FEB 1 5 1986	
	OR CON. DIV.	!. 
		Certificate Number

#### New Mexico Oil Conservation Division C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

- 1. The OCD assigned API number for this well
- The pool code for this (proposed) completion
- 3. The pool name for this (proposed) completion
- The property code for this (proposed) completion
- 5. The property name (well name) for this (proposed) completion
- 8. The well number for this (proposed) completion
- 7 Operator's OGRID number
- 8. The operator's name
- 9. The ground level elevation of this well
- 10. The surveyed surface location of this well measured from the section lines NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.
- 11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
- 12 The calculated acreage dedicated to this completion to the nearest hundredth of an acre
- 13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this
- 14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C Communitization

U Unitization

F Forced pooling

O Other

Consolidation pending

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!

- 15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling
- 16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions.

(Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is open within this pool.

Show all lots, lot numbers, and their espective acreage.

If more than one lease has been dedicated to this completion, outline each one and identity the ownership as to both working interest and royalty.

- 17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
- 18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed or a change of pool or dedicated acreage.