1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	UNITE DEPARTMENT BUREAU OF LA APPLICATION FOR PE Drill X Gas Well Other	ESIA, NM Carrows ED STATES OF THE INTERIOR IND MANAGEMENT ERMIT TO DRILL OR DEE Deepen		FORM APPROVED OMB NO 1004-01 Expires February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM0475051 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(July 1992) 1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	DEPARTMENT BUREAU OF LA APPLICATION FOR PE Drill X Gas Well Other	OF THE INTERIOR ND MANAGEMENT RMIT TO DRILL OR DEE	(Other instructions on reverse side)	OMB NO 1004-01 Expires February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM0475051
(July 1992) 1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	DEPARTMENT BUREAU OF LA APPLICATION FOR PE Drill X Gas Well Other	OF THE INTERIOR ND MANAGEMENT RMIT TO DRILL OR DEE	(Other instructions on reverse side)	OMB NO 1004-01 Expires February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM0475051
1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	DEPARTMENT BUREAU OF LA APPLICATION FOR PE Drill X Gas Well Other	OF THE INTERIOR ND MANAGEMENT RMIT TO DRILL OR DEE	EPEN	Expires February 28, 1995 5. LEASE DESIGNATION AND SERIAL NO NM0475051
1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	APPLICATION FOR PE Drill X Gas Well Other			NM0475051
1a. TYPE OF WORK b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	Drill X Gas Well Other			
b. TYPE OF WELL Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C	Gas Well Other	Deepen	- 9/19/97	
Oil Well X 2. NAME OF OPERATO M 3. ADDRESS AND TELE P C			1 '	N/A
2. NAME OF OPERATO M 3. ADDRESS AND TELE P. C				7. UNIT AGREEMENT NAME
M 3. ADDRESS AND TELE P. C	R	Single Zo	ne Multiple Zone	N/A
3. ADDRESS AND TELE P C	lallon Oil Company	13925	🔊 🔥 👘	Wadi 9 Federal No. 7
C	EPHONE NO.		1007	P API WELL NO.
	.O. Box 3256 arlsbad, NM 88220	(505) 885-4596	1997 REOFILIE	1927 FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL	(Report location clearly and in acco	rdance with any State requirements.)	RECEIVED	Back River Delaware, West
At surface	660' FNL and	1980' FEL (NW NE)	DED ARTESIA	AND SURVEY OR AREA 96684
At proposed prod. zone	660' FNL and	1980' FEL (NW NE) UK	°. ₩B a	AND SURVEY OR AREA 70057
11 0/07/11 07			1500 1E0	Sec. 9, T24S-R26E
	S AND DIRECTION FROM NEARES niles south of Carlsbad,		-123	12. COUNTY OR PARISH 13. STATE Eddy County NM
15. DISTANCE FROM P	ROPOSED *		ACRES IN LEASE 17	NO. OF ACRES ASSIGNED
LOCATION TO NEARES PROPERTY OR LEASE		660'	1080 TC	D THIS WELL 40
(Also to nearest drlg. unit		000	1000	40
18. DISTANCE FROM P				ROTARY OR CABLE TOOLS
TO NEAREST WELL, DF OR APPLIED FOR, ON T		1320'	5500'	Rotary
	WWHETHER DF. RT, GR. Etc.)			ctober 31, 1997
23		OPOSED CASING AND AND		
SIZE OF HOLE	GRADE, SIZE OF CASING 16"	.25" wall	SETTING DEPTH 40'	QUANTITY OF CEMENT
12-1/4"	8-5/8''	23 wall 28#/32#	500'	Circ. to surface
7-7/8"	5-1/2"	15.5#/17#	5500'	1085 sks cmt
casing will be ce with Federal reg attachments: Drilling Program Exhibit 1: Blow Exhibit A: Loca	mented at TD. If non-p ulations. Specific progr	roductive, the well will be ams as per on-shore Oil ent/Plan Exhibit C Exhibit E	e plugged and aband and Gas Order No. 1 C: One Mile Radius D: Drilling Site Layo	out
		Exhibit F		
		proposal is to deepen, give data on pre ace locations and measured and true v		posed new productive zone If proposal is
24		ice pications and measured and true t	ventical depths. Give blowout pl	reveniur program, ir any.
	ne C. Winkler		ations Manager	DATE <u>09/17/97</u>
(This space for Federal o	r State office use)			
PERMIT NO.	·		ADDDA111. 5	_
i ci ci ci ci ci co.			APPROVAL DATE	
	s not warrant or certify that the applic	ant holds legal or equitable title to the	ose rights in the subject lease w	hich would entitle the applicant to conduct
operations thereon.	OVAL IF ANY		AMAS SPINICOALS	Ê
operations thereon. CONDITIONS OF APPRO		CUSON	ADM, MINERALS	10-11 67
operations thereon. CONDITIONS OF APPRO	oval (Fany: IG. SGD.) TONY L. FEF		C	DATE
OPERATIONS OF APPROVED BY	ig. Sgd.) Tony L. Fef	*See Instructions On Rev	verse Side	DATE
Operations thereon. CONDITIONS OF APPRO APPROVED BY (OR Title 18 U.S.C. Secti	IG. SGD.) TONY L. FEF	*See Instructions On Rev any person knowingly and will	verse Side fully to make to any depar	ntment or agency of the United States
Operations thereon CONDITIONS OF APPRO APPROVED BY	IG. SGD.) TONY L. FEF	*See Instructions On Rev	verse Side Ifully to make to any depar within its APPROVAL	ntment or agency of the United States

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

## OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

All Number       Poil Cole       Deluctor       Provide Rate         JP-AIF-29977       96/897       Property Name       FEDERAL       7         OGRD No.       WADI'S' FEDERAL       7       Section       7         OGRD No.       MALLON OIL COMPANY       3398         SUrface Location       Surface Location       8       Elevition         UL or let No.       Section       Tormahip       Range       Let Ma       North/Sewth line       Feet from the       East/Feet line       Commy         Dedicated Acres       Joint or Infli       Consultation Gold       Interface       North/Sewth line       Feet from the       East/Feet line       Commy         Dedicated Acres       Joint or Infli       Consultation Gold       Prefer No       Section       Tormahip       Range       Let Ma       Feet from the       North/Sewth line       Feet from the       North/Sewth line       Commy       Commy         Dedicated Acres       Joint or Infli       Consultation Gold       Prefer No       No       ALLOWABLE       WIL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE EEEN CONSOLIDATED OK A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIMSION       No ALLOWABLE       Section       Maxifier       Training Prefer For Prefer No         MO       ALLOWABLE       WIL DE ASSIGNED T	WELL LOCATION AND ACREAGE DEDICATION PLAT														
Property Cole     WADI "9" FEDERAL     7       OCKED No.     Operator Name     Elevation       Operator Name     MALLON OLL COMPANY     3398       Surface Location     Ut or let No.     9       9     24 S     52 E       Dottom Hole Location ID Different From Surface     East/Next line     County EDDY       Dedicated arree     Jent or Infill     Consolidation Code     Order No.       NO ALLONABLE TILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION     OPERATOR CERTIFICATION       MOUL     MOUL     3395.5'     1980'       3401.0'''     3395.5'     Survey and bind bind       SURVEYOR CERTIFICATION     I are of entry from Sufface     Survey and bind       MOUL     Consolidation Code     Order No.     OPERATOR CERTIFICATION       MOUL     MOUL     Survey and bind     Survey and bind       MOUL     Survey and bind     Survey and	API Number 30-015-29897 9							mare							
OCEED No.         Operator Manas         Elevation           MALLON OIL COMPANY         3398           Surface Location         Surface Location           Ut or let No.         9         24 S         26 E         660         NORTH         1980         East T         EDDY           Bottom Ho.         9         24 S         26 E         660         NORTH         1980         EAST         EDDY           Bottom Ho.         Bettom         Tormahip         Range         Let Ma         Pert from the North/South line         Pert from the Torma the Rorth/South line         Pert from the County         EAST         EDDY           Dedivided Arree         Joint or Infill         Council atom to from the Rorth/South line         Pert from the Rorth/South line	Property Code				Property Name				Well Number						
MALLON OIL COMPANY     3398       Surface Location       UL or het No.     Section     Township     Range     Lei Ma     Peet from the     NoRTH     1980     EAST     EDDY       Bottom Hole Location If Different From Surface       UL or het No.     Section     Township     Range     Lei Ma     Peet from the     Rest/Feet line     County       Bottom Hole Location If Different From Surface       UL or het No.     Section     Township     Range     Lei Ma     Peet from the     Rest/Feet line     County       Detom Hole Location If Different From Surface       UL or het No.     Section     County     Rest/Feet line     County       Detection       Mage       Addition Code     Order No.       Addition Code     Order No.       OPERATOR CERTIFICATION       Addition Code       Addition Code <td colspa<="" td=""><td colspan="4"></td><td colspan="4"></td><td colspan="2"></td></td>	<td colspan="4"></td> <td colspan="4"></td> <td colspan="2"></td>														
Surface Location         UL or lot. No.       Section       Township       Range       Lot Man       Feet from the North/South Har       Feet from the Past/Wert Har       Commy EDDY         Bottom Hole Location If Different From Surface         UL or lot No.       Section       Township       Range       Lot Man       Feet from the North/South Har       Feet from the Past/Wert Har       Commy         Dedicted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Modetted Acres       Joint or Infill       Connolidation Code       Order No.         Joint of No.         Joint Southastart       OPERATOR CERTIFICATION     <	UGRID NO.				•										
B     9     24 S     26 E     660     NORTH     1980     EAST     EDDY       Bottom Hole Location If Different From Surface       UL or int No.     Section     Tormship     Name     Lot Idn     Feet from the     North/South line     Feet from the     North/South line     Feet from the     County       Dedication for Influ     Consolidation Code     Order No       Mol ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION       OPERATOR CERTIFICATION 1       Jact 1       Jact 27     3335.5'       Jact 27       Jact 20       Jact 27       Jact 20       Jact 20   <															
Bottom Hole Location If Different From Surface       UL or lot No.     Section     Township     Nage     Lot Idn     Peet from the     North/South line     Peet from the     Rest/West line     County       Dedicated Acres     Joint or Infill     Consolidation Code     Order No.     Infill     Consolidation Code     Order No.       MO     ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION     OPERATOR CERTIFICATION     / weak of the seytemation onto the seytemation onto the seytemation onto the fill on seytemation of the seytemation of the set of the setter of the set of the setter of the set of the setter of	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County					
UL or tot No.       Section       Township       Range       Lot Man       Peet from the       Peet from the       Lest/West line       County         Dedicted Acres       Joint or Infill       Consolidation Code       Order No.       Infill       Consolidation Code       Order No.         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       OPERATOR CERTIFICATION       I horeby certly be the stylendom         3402.7.       3303.5.'       1980'       I horeby certly the the stylendom       I horeby certly the the stylendom         3401.0''       3401.0''       3395.5'       I horeby certly the the stylendom       I horeby certly the the stylendom         Signature       Diane C. Winkler       Trinted Name       I horeby certly that the well hockes nhown         SURVEYOR CERTIFICATION       I horeby certly that the well hockes nhown       I horeby certly that the well hockes nhown         I horeby certly that the well hockes nhown       I horeby certly that the well hockes nhown       JLP         Surveyor       JLP       Steptiture No. With the style cellor of the base of row of the style or not were row of row of the style cellor of the base of row of the style of th	В	9	24 S	26 E		660	NORTH	1980	EAST	EDDY					
Dedicted Acres       Joint or Infill       Consolidation Code       Order No         MO       ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION         Junc       Junc       Junc       Junc       OPERATOR CERTIFICATION Interly certify be the suffermation conducted horein of the and complete to the being of the model of the suffermation or and complete to the suffer of the model of the suffermation conducted horein of the and complete to the being of the suffermation of t	Bottom Hole Location If Different From Surface														
Mo       ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION         J402.77       3393.57         J402.77       3395.57         J402.77       3395.57         J402.77       3395.57         J402.77       3395.57         J402.77       3395.57         J402.77       3395.57         J401.07       J401.07         <	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County					
Mo       ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION         J402.77 & J333.57       OPERATOR CERTIFICATION J Mereky vert/ly the the thyrmedian of the more and complete to the ber of my browned to the thyrmedian of the more and table.         J401.07       J395.57         J401.07       J401.07				1	]										
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION	Jedicated Acres	Joint o	r infill Co	onsolication	Code   Or	der No.									
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION	NO ALLO	WADLE		COLONED											
3402.7. **       3393.5'       I hereby certify the the information contained herein is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and certified true is true and certified to the set of th			OR A 1	NON-STAN	DARD UN	UT HAS BEEN	APPROVED BY	THE DIVISION	EEN CONSOLIDA	ATED					
3402.7. **       3393.5'       I hereby certify the the information contained herein is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and complete to the best of my browledge and blief.         3401.0'       3395.5'       I hereby certify the the information is true and certified true is true and certified to the set of th		T	·			4		OPERATO	DR CERTIFICAT	TION					
1980*       bet of my knowledge and belof.         3401.0*       3395.5*         Signature       Duane C. Winkler         Printed Name       Operations Manager         Title       9/17/97         Date       SURVEYOR CERTIFICATION         I hereby certify that the well location shown on this plot was by me or under my supervision and that the same to true and correct to the belof.         SEPTEMBER 4. 1997         Date Surveyed         JUP         Signature & Sel of the sel of					3402 7	09 99 3303 51									
3401.0 3395.5' Signature Duane C. Winkler Printed Name Operations Manager Tite 9/17/97 Date SURVEYOR CERTIFICATION I hereby certly that the well location shown on 6ks plat was plotted from field noise of certail serving made by me or under my rupervision, and that the same is frue and certract to the basis of my, beigt SEPTEMBER 4, 1997 Date Surveyed JUP Signature 4, Seal of Professional Surveyor Multiplication 9-09-977 W.O. CRUM: 97-11-1452 Certificate No. JONN W. VEST. 678 RONALD J. DESON, 3239		1			1 0+02.7			contained herei	n is true and comple						
Signature Duane C. Winkler Printed Name Operations Manager Tite 9/17/97 Date SURVEYOR CERTIFICATION 1 Arroby certify that the usel 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 basi of my beight. SEPTEMBER 4: 1997 Date Surveysed Signature & Seal of Professional Surveyor Multiple 9-09-97 (W.O. Num: 97-11-1452 Certificate No. JOHN W. WEST. 676 RONAD & EDSON, 3239					1	8-	-1980'	best of my know	wledge and belief.	i kin					
Duane C. Winkler Printed Name Operations Manager Title 9/17/97 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from fail noise of actual waveys made by ma or under my supervises, and that the same is true and correct to the best of m, belief. SEPIEMBER 4, 1997 Date Surveyed Signature & Seel of Professional Surveyor W.O. MUM: 97-11-1452 Certificate No. JOHN W. WEST, 676 ROMAD J. EDSON, 3239		i			3401.0'	3395.5'			$\Lambda^{\dagger}/1/.$						
Duane C. Winkler Printed Name Operations Manager Title 9/17/97 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from fail noise of actual waveys made by ma or under my supervises, and that the same is true and correct to the best of m, belief. SEPIEMBER 4, 1997 Date Surveyed Signature & Seel of Professional Surveyor W.O. MUM: 97-11-1452 Certificate No. JOHN W. WEST, 676 ROMAD J. EDSON, 3239		I								<u></u>					
Printed Name Operations Manager Tite 9/17/97 Date SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was yound by me or under my supervision and that the same is true and certificate wavey made by me or under my supervision and that the same is true and correct to the best of me belief. SEPTEMBER 4: 1997 Date Surveyed Signature & Seal of . Professional Surveyor W.O. Num. 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239	├	+				+			Winklor						
Title       9/17/97         Date       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 corriect to the best of me, believed         SEPTEMBER 4: 1997         Date Surveyed         Signature & Seal of Professional Surveyor         Multiply for the same is for and the survey of the survey of the survey of the same is true and corriect is the best of me believed         Signature & Seal of Professional Surveyor         Multiply for the same is for a surveyor         W.O. (Kurm: 97-11-1452         Certificate No. JOHN W. WEST, 676         RONAD J. EDSON, 3239						1		· · · · · · · · · · · · · · · · · · ·		[					
9/17/97 Date SURVEYOR CERTIFICATION I harvey cortify that the well location shown on this plat was plotted from field notes of actual variant by me or notes of supervision, and that the same is true and corruct to the best of me being. SEPTEMBER 4. 1997 Date Surveyed Signature & Seal of Professional Surveyor MULL July 9-09-977 W.O. WUM. 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239				Operations Manag			ns Manager								
Date         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 best SEPTEMBER 4, 1997         Date Surveyed         Signature & Seal of i Professional Surveyor         Multiplication 97-01-0452         Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239															
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 corruct to the best of my belief. SEPTEMBER 4, 1997 Date Surveyed JLP Signature & Seal of : Professional Surveyor MMell Column 9-09-97 (W.O. Num: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239					l				i						
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 supervison, and that the same is true and corruct to the best of me, belief. SEPTEMBER 4: 1997 Date Surveyed Signature & Seal of J Professional Surveyor MMALL Survey 9-09-97 W.O. WUM: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239						l T									
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 corruct to the best of my belief. SEPTEMBER 4: 1997 Date Surveyed Signature & Seal of : Professional Surveyor W.O. Num: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239			· ·					-	OR CERTIFICAT	TION					
actual surveys made by me or under my supervision, and that the same is true and corruct to the best of me, being. SEPTEMBER 4, 1997 Date Surveyed Signature & Seal of JLP Signature & Seal of JLP Signature & Seal of JLP Manual Bully 9-09-97 (W.O. WUM: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239						1		11							
SEPTEMBER 4: 1997 Date Surveyed Signature & Seal of Professional Surveyor M.O. (Num: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		1				I		actual surveys	made by me or	under my					
Date Surveyed JLP Signature & Seal of Professional Surveyor W.O. Wurn: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		1				1				11					
Date Surveyed JLP Signature & Seal of Professional Surveyor W.O. Wurn: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		1				1				_					
Signature & Seal of Professional Surveyor W.O. Wum. 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		ĺ				1									
W.O. (Num. 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239	<b>├</b>	·	·		<b>└</b>			Signature &	Seal of	JLF					
W.O. (Num: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		l						Professional	Surveyor						
W.O. (Num: 97-11-1452 Certificate No. JOHN W. WEST, 676 RONALD J. EDSON, 3239		1				ĺ		1 Danie	10.135						
Certificate No. JOHN W. WEST, 676 RONALD J. EIDSON, 3239		ļ				1		opmall)	- courses						
RONALD J. EDSON, 3239		ļ						1 W.O. (M)	im: 97-11-14	52					
								Certificate N		·					
		ا با ـــــــــــــــــــــــــــــــــــ													



Exhibit 1



BOP STACK

3000 PSI WORKING PRESSURE

BOP ARRANGEMENT

Exhibit 1

.

## Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS

- 1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum ID equal to preventer bore.
- 2. Wear ring to be properly installed in head.
- 3. Blow out preventer and all fittings must be in good condition, 3000 psi WP minimum.
- 4. All fittings to be flanged.
- 5. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi WP minimum.
- 6. All choke and fill lines to be securely anchored, especially ends of choke stem.
- 7. Equipment through which bit must pass shall be at lease as large as the diameter of the casing being drilled through.
- 8. Kelly cock on kelly.
- 9. Extension wrenches and hand wheels to be properly installed.
- 10. Blow out preventer control to be located as close to driller's position as feasible.
- 11. Blow out preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.