Form 3160-3			M. OI (	IT IP	ICATE	1	FORM APP	ROVED AL		
(July 1992)	L . IED STATES AFITESIA, NERVICE _ 434					OMB NO. 1004-0136 () Expires: February 28, 1995				
	MENT OF THE		-	ĺ	5. LEASE DESIGNATION AND SERIAL NO.					
BURE	NM-101585									
APPLICATION F	OR PERMIT TO	DRILL	OR DEE	PEN		6. IF INDIA	N, ALLOTTE	OR TRIBE NAME		
18. TYPE OF WORK	DEEPEN	[]				7. UNIT AG	REDMENT N	AMB		
b. TIPE OF WELL	. TIPE OF WELL						24890			
OIL GAS WELL C. NAME OF OPERATOR	THER	201		MULTIPI	<u> </u>		Strike			
YATES PETROLEUM CORPORA	TION 7	557				Feder 9. ARIWELL	<u>al Com.</u>	#1		
3. ADDRESS AND TELEPHONE NO.						30	-015	- 30765		
105 South Fourth Street					3-1471	10. FIELD	IND POOL	5 12 12		
4. LOCATION OF WELL (Report location cle At surface	•	ith any St	ate requireme	nts.*)		Crow F		iorrow, 🗩		
660' FSL and 1980' FWL At proposed prod. zone	Unit N					11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA				
Same						Secti	on 28,	T16S-R27E		
14. DISTANCE IN MILES AND DIRECTION F	ROM NEAREST TOWN OR PO	ST OFFICE	•					13. STATE		
15. DISTANCE FROM PROPUSED*	<u> </u>	16 10	OF ACRES IN	LEASE	1 17 10 0	Eddy	County	New Mexico		
LOCATION TO NEAREST Property or lease line, ft.		10	320	LEADE	то ти	IS WELL	320			
(Also to nearest drig, unit line, if an 18. DISTANCE FROM PROPOSED LOCATION®	(y)	19. PRO	POSED DEPTH		20. ROTA	RY OR CABLE		·····		
TO NEAREST WELL, DRILLING, COMPLETED. OR APPLIED FOR, ON THIS LEASE, FT.		8950'				Rotary				
21. ELEVATIONS (Show whether DF, RT, GE	R, etc.)					22. APPR		BE WILL START*		
3439' GR 23.							ASAP			
	PROPOSED CA	SING AND	CEMENTING	PROGRAM	4					
SIZE OF HOLE GRADE SIZE OF C	CASING WEIGHT PER	FOOT	SETTING I	EPTH		QUANTI	TY OF CEME	NT		
					TECS	500	<u></u>	4 - 3		
12 1/4"         8 5/8"           7 7/8"         4 1/2"			1350' 8950'	WIT	NESS	500 sx 600 sx				
<u>7 7/8" 4 1/2</u> Yates Petroleum Corporat Approximately 1350' of s	<u> </u>	o drill	1350' 8950' and tes set and	t the cemen	Morrow t circu	600 sx and int	TOC 550 ermedia o shut	oo' ate formatic off gravel		
7 7/8" 4 1/2' Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate	tion proposes to surface casing w	o drill vill be n casir r produ	1350' 8950' and tes set and ng will b action.	Wit t the i cemen e run	Morrow t circu	and int alated t mented w	TOC 550 ermedia o shut with ade	od' ate formatic off gravel equate cover		
7 7/8" <u>4 1/2</u> Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for N; 1350'-4700' F	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem	and int alated t mented w	TOC 550 ermedia to shut with add	off gravel equate cover Gel/Starch.		
7 7/8" <u>4 1/2</u> Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem	and int alated t mented w	TOC 550 ermedia to shut with add Salt (	off gravel equate cover Gel/Starch.		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for W; 1350'-4700' F 1 be installed o	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem	and int alated t mented w	TOC 550 ermedia to shut with add Salt (	off gravel equate cover Gel/Starch.		
7 7/8" <u>4 1/2</u> Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>ACPE()VALSUSSECT</u>	11.6# S-9       tion proposes to       surface casing w       cial, production       ed as needed for       w; 1350'-4700' F       l be installed of       10	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem rine; & and tes	and int and int alated t mented w 3000'-TI sted dai	TOC 550 ermedia to shut with add Salt (	off gravel equate cover Gel/Starch.		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will SCPR()VAL SUBJECT	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for N; 1350'-4700' F 1 be installed of NENTS ANI	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem rine; & and tes	and int and int alated t anted w 3000'-TI sted dai	TOC 550 ermedia to shut with add Salt (	off gravel equate cover Gel/Starch.		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>SPECIAL SOPORATE</u> SPECIAL SOPORATE	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for N; 1350'-4700' F 1 be installed of NENTS ANI	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem rine; & and tes VISEL (BA	and int and int lated t ented w 3000'-TI sted dai	TOC 550 ermedia to shut with add Salt (	ate formatic off gravel equate cover Gel/Starch. operational $s \neq TD = 7$ T = 24 = 99 $HT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>ACPH()VALSOBE</u>	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for N; 1350'-4700' F 1 be installed of NENTS ANI	o drill vill be n casir r produ FW; 470	1350' 8950' and tes set and ng will b action. 00'-8000'	Wit t the i cemen be run Cut B	Morrow t circu and cem rine; & and tes VISEL (BA	and int and int alated t anted w 3000'-TI sted dai	TOC 550 ermedia to shut with add Salt (	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ Y = 2Y - 99 $HT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>SCPHOVAL SCREET</u> <u>SCPECIAL SCREET</u> NABOVE SPACE DESCRIBE PROPOSED PRO	11.6# S-9       tion proposes to       surface casing w       cial, production       ed as needed for       w; 1350'-4700' F       1 be installed c       MENTS AND       ONS	o drill vill be n casir r produ FW; 470 on the	<u>1350'</u> <u>8950'</u> and tes set and to set and to set and of will b action. 00'-8000' 8 5/8" c	t the file cement cemente run Cut B casing	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	600 sx and int lated t hented w 3000'-TI sted dai	TOC 550 eermedia to shut vith add 0 Salt ( .ly for fe	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ T = 24 - 99 $MT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will SCPECIAL SOPE WILL SCPECIAL SOPE ATO SCPECIAL SOPE ATO SCREEDESCRIBE PROPOSED PRO deepen directionally, give pertinent data on subsur	11.6# S-9       tion proposes to       surface casing w       cial, production       ed as needed for       w; 1350'-4700' F       1 be installed c       MENTS AND       ONS	o drill vill be n casir r produ FW; 470 on the	<u>1350'</u> <u>8950'</u> and tes set and to set and to set and of will b action. 00'-8000' 8 5/8" c	t the file cement cemente run Cut B casing	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	600 sx and int lated t hented w 3000'-TI sted dai	TOC 550 eermedia to shut vith add 0 Salt ( .ly for fe	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ T = 24 - 99 $MT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>SCPECIAL SOPE</u> WILL <u>SCPECIAL SOPE</u> <u>SPECIAL SOPE</u> MABOVE SPACE DESCRIBE PROPOSED PRO deepen directionally, give pertinent data on subsur	11.6# S-9       tion proposes to       surface casing w       cial, production       ed as needed for       w; 1350'-4700' F       1 be installed c       MENTS AND       ONS	o drill vill be n casir r produ FW; 470 on the	1350' 8950' and tesses set and ig will be inction. 00'-8000' 8 5/8" co 00 present prod al depths. Give be	t the file cement cemente run Cut B casing	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	and int ilated t iented w 3000'-TE sted dai	TOC 550 eermedia to shut with add Salt ( .ly for fe y hve zone. If j	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ 1 - 14 - 99 $MT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will SCPECIAL SOPE WILL SCPECIAL SOPE ATO SCPECIAL SOPE ATO SCREEDESCRIBE PROPOSED PRO deepen directionally, give pertinent data on subsur	<u>11.6# S-9</u> tion proposes to surface casing w cial, production ed as needed for W; 1350'-4700' F 1 be installed of MENTS ANI OHS XGRAM: If protectal is to deeper face locations and neasured and	o drill vill be n casir r produ FW; 470 on the	<u>1350'</u> <u>8950'</u> and tes set and to set and to set and of will b action. 00'-8000' 8 5/8" c	t the file cement cemente run Cut B casing	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	and int ilated t iented w 3000'-TE sted dai	TOC 550 eermedia to shut with add Salt ( .ly for fe y hve zone. If j	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ T = 24 - 99 $MT \neq Lecc$		
7 7/8" 4 1/2" Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>SCPROVAL SOBE</u> <u>SCPROVAL SOBE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SCROPE</u> <u>SC</u>	<pre>' 11.6# S-9 tion proposes to surface casing w cial, production ed as needed for w; 1350'-4700' F 1 be installed c W: 15 AN! CH: 5 AN! C</pre>	o drill vill be n casir r produ FW; 470 on the	1350' 8950' and tesses set and ig will be inction. 00'-8000' 8 5/8" co 00 present prod al depths. Give be	t the file cement cemente run Cut B casing	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	and int ilated t iented w 3000'-TE sted dai	TOC 550 eermedia to shut with add Salt ( .ly for fe y hve zone. If j	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ 1 - 14 - 99 $MT \neq Lecc$		
7 7/8" 4 1/2' Yates Petroleum Corporat Approximately 1350' of s and cavings. If commerce perforated and stimulate <u>MUD PROGRAM</u> : 0-1350' FW <u>BOPE PROGRAM</u> : BOPE will <u>ACPHOVALSUSE</u> <u>BOPE PROGRAM</u> : BOPE will <u>ACPHOVALSUSE</u> <u>COPECIAL SUPULATIONS</u> <u>COPECIAL SUPULATIONS</u> <u>SPECIAL SUPULATIONS</u> <u>SIGNED</u>	<pre>' 11.6# S-9 tion proposes to surface casing w cial, production ed as needed for w; 1350'-4700' F 1 be installed c W: 15 AN! CH: 5 AN! C</pre>	o drill vill be n casir r produ FW; 470 on the	1350' 8950' and tesses set and ig will be inction. 00'-8000' 8 5/8" co 00 present prod al depths. Give be	t the formation of the second	Morrow t circu and cem rine; & and tes VIS311 OJA GCC	and int ilated t iented w 3000'-TE sted dai	TOC 550 eermedia to shut with add Salt ( .ly for fe y hve zone. If j	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - 1$ 1 - 14 - 99 $MT \neq Lecc$		
7       7.7/8"       4       1/2"         Yates Petroleum Corporat         Approximately 1350' of s         and cavings. If commerce         perforated and stimulate         MUD PROGRAM:       0-1350' FV         BOPE PROGRAM:       0-1350' FV         BOPE PROGRAM:       BOPE will         APPROVAL SUBJECT       SUBJECT         SPECIAL SUPULATION       SUBJECT         IN ABOVE SPACE DESCRIBE PROPOSED PROCeepen directionally, give pertinent data on subsure         24.       SIGNED         (This space for Federal or State office         PERMIT NO.         Application approval does not warrant or certifice	<pre>' 11.6# S-9 tion proposes to surface casing w cial, production ed as needed for w; 1350'-4700' F 1 be installed c 10 MENTS ANI ()HS XGRAM: If proposal is to deepe face locations and measured and ce use)</pre>	o drill vill be n casir r produ FW; 470 on the	1350' 8950' and tess set and ig will b iction. 00'-8000' 8 5/8" c on present prod al depths. Give b Landman APPROVAL DAT de to those rights	t the for the former of the run o	Morrow t circu and cem rine; & and tes VIS311 03A 001 and proposed	and int and int lated t ented w 3000'-TI sted dai	TOC 550 eermedia to shut with add Salt ( .ly for fa fa hve zone. If fa augu	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - /$ Y = XY = 99 HT = LCC accoss st 17, 1999		
7       7/8"       4       1/2"         Yates Petroleum Corporat         Approximately 1350' of s         and cavings. If commerce         perforated and stimulate         MUD PROGRAM:       0-1350' FV         BOPE PROGRAM:       0-1350' FV         BOPE PROGRAM:       BOPE will         ACPROVAL SUBJECT       SUBJECT         APPROVAL SUBJECT       SUBJECT         NABOVE SPACE DESCRIBE PROPOSED PRO       Contract         SIGNED       This space for Federal or State office	<pre>' 11.6# S-9 tion proposes to surface casing w cial, production ed as needed for w; 1350'-4700' F 1 be installed c 10 MENTS ANI ()HS XGRAM: If proposal is to deepe face locations and measured and ce use)</pre>	o drill vill be n casir r produ FW; 470 on the	1350' 8950' and tess set and ig will b iction. 00'-8000' 8 5/8" c on present prod al depths. Give b Landman APPROVAL DAT de to those rights	<pre>t the file of the subject</pre>	Morrow t circu and cem rine; & and tes VISJI UJA ([]] uppoposed intropogram, sed proposed	and int and int alated t nented w 3000'-TI sted dai 47 - (100 13038 d hew product if any. Market mem product if any.	TOC 550 eermedia to shut with add Salt ( .ly for fa fa hve zone. If fa augu	ate formatic off gravel equate cover Gel/Starch. operational $S \neq TD - /$ Y = XY = 99 HT = LCC accoss st 17, 1999		

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brance Ed., Astec, NM 87410

## OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

Submit to Appropriate District Office

Revised February 10, 1994

Instruction on back

## D AMENDED REPORT

State Lease - 4 Copies Fee Lease - 3 Copies

PULAL V IVN

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API N	umber		Pool Code			Pool Name Crow Flats, Morrow, NW				
Property Co	de		<u> </u>			rty Nam		Well Number 1		
<b>OGRID No.</b> 025575	 ,				Opera	rator Name DLEUM CORPORATION			Elevation 3439	
	<u> </u>	L			Surfac	e Loca	ation	<u> </u>		
TTT NA N-	Section	Township	Range	Lot Idn	Feet from		North/South line	Feet from the	East/West line	County
UL or lot No. N	28	165	27E		66	660 SOUTH		1980	WEST	EDDY
- <u> </u>		I	Bottom	Hole Lo	cation L	f Diffe	rent From Sur			
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint	or Infill Co	onsolidation	Code O	rder No.				L	<u> </u>
320			GGIGNED		COMPLE	TION I	UNTIL ALL INTE	RESTS HAVE B	EEN CONSOLID	ATED
NO ALLO	WABLE	OR A	SSIGNED NON-STAN	ID THIS	NIT HAS	BEEN	APPROVED BY	THE DIVISION		
					~~	M.	40	I herei contained here best of my kno Signature Printed Nar Ker Title Lar Date Aug SURVEY I hereby certi on this plat supervison	n Beardemphl ndman gust, 17, 19 OR CERTIFICA	TION denotes of under n is true a
	- 1980'	3443	3440 7 8 3434					Cordiciónto	8640	Disk ANY

YATES PETROLEUM CORPOR, ON Lucky Strike "AST" Federal Com. #1 660' FSL and 1980' FWL Sec.28,-T16S-R27E Eddy County, New Mexico

1. The estimated tops of geologic markers are as follows:

San Andres	1305′
Glorietta	2750′
Yeso	2904′
Abo	4776′
Wolfcamp	5973′
Canyon Lime	7652′
Strawn Lime	8061′
Atoka	8404′
Morrow Clastics	8587′
Lower Morrow	8638′
Chester Lime	8812′
TD	8950′

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: 250'-350' Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
- .

A. Casing Program: (All New)

<u>Hole Size</u>	Casing Size	<u>Wt./Ft</u>	<u>Grade</u>	Coupling	<u>Interval</u>
12 1/4"	8 5/8″	24.0#	J-55	ST&C	0-1350'
7 7/8"	4 1/2"	11.6#	S-95	LT&C	0-8950'

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

B. CEMENTING PROGRAM:

Surface casing: 300 sx 35:65 POC 'C' (YLD 1.9 WT 12.66), tail with 200 sx 'C' + 2% CaCL2 (YLD 1.32 WT 14.6). Production Casing: 600 sx Super 'C' Modified (YLD 1.63 WT 13.0). Top of cement at 5500'

ş



Typical 3.000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 3,000 psi choke manifold assembly with at least these minimun features

