District I PO Box 1980, Hobbs, NM 88241-1980 811 S. 1st Street Artesia, NM 88210-1404 District III 1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico Energy, Minerals & Natural Resourses Department

OIL CONSERVATION DIVISION PO Box 2088

Santa Fe, NM 87504-2088 23456780

Form C-101 Revised February 10, 1014 Instructions on back

Submit to Appropriate District Office Submit to Appropriate District Office

State Lease - 6 Copies Fee Lease - 5 Copies

District IV PO Box 2088, Sar	nta Fe, NM 8	}7504-20	·88			~ · · · · · · · ·	Jan Jan	/KV	N/D		AMEN	NDED REPORT
APPLICA	TION I	FOR	PEF	۲IM۱ ا	TO DRI	LL, RE-EN	VTER, DEI	EREK	ÇPLUĞBA	ACX,	OR A	DD A ZONE
					Operato	or Name and Add	dress	— <u>, nafiri</u>	Alt To a	G	OC	GRID Number
				N		gy Corporation	. 🗸		1.4.2.\A	18/		013837
						Box 960				% /	Α	API Number
	-			P	Artesia, iniv	A 88211-0960					30 - C	15-310cz
Proper	rty Code					P	roperty Name					Well No.
25	5029					<u> </u>	Harper State	-	·			3
						Surface	Location					
UL or lot no.	Section	Towns	ship	Range	Lot Idn	Feet from the	North/South	line J	Feet from the	East/W	est line	County
I	16	175	3	30E		1650	South		330	F	East	Eddy
		F	Prop	osed I	Bottom I	Hole Locat	ion If Diffe	erent]	From Surf	face		
UL or lot No.	Section	Towns	hip	Range	Lot Idn	Feet from the	North/South	line I	Feet from the	East/W	est line	County
	<u>. </u>	Pro	posed	d Pool 1	<u> </u>				Propose	d Pool 2	2	<u> </u>
	Loc	co Hill	s Pad	ldock 96	6718							
Work Ty	ype Code		W	Vell Type	: Code	Cable	/Rotary	I	Lease Type Co	de	Groun	d Level Elevation
N	·			0		,	R		S			3682
Mul	tiple		Pr	roposed l	Depth	Form	nation		Contractor			Spud Date
N	0			5000'		Pad	dock	<u> </u>	LaRue			4/7/00
				P	roposed	d Casing ar	nd Cement	Progr	ram			
Hole Si			Casing		Casir	ng weight/foot	Setting D		Sacks o	f Cement		Estimated TOC
17 1/2			13 3			54.5	370'	40c'	<u>Ci</u>	irc	S	urface
12 1/4			8 5/			24	1100'			irc		* *
7 7/8			5 1/3	2		17	5000'		Sufficien	ıt to Cir	·c	1,
	\longrightarrow				-							
Describe the pr	onosed pros	oram. If	this a	nnlication	is to DEEPI	EN or PLUG BA	CK give the data	on the pr	reant productiv	a zone or	-1 5505066	ed new productive
zone. Describe	the blowout M d cement.	t prevent Iack En Drill to	nergy no 500	rogram, if Corpora	fany. Use add ation propo est Paddocl	ditional sheets if roses to drill to 3	necessary. 350', run 13 3/ 1/2" casing and	/8" casir d cemen	ng and cemen	nt. Drill on produ	to 1100	', run 8 5/8"
						e run and will f	figure cement	with 25	% excess, att	empt to	circulate	е.
I hereby certify to of my knowledge		rmation ;	given a	above is tr	tue and compl	lete to the best	OI	L CO	NSERVA	TION	DIVIS	ION
Signature	(w	ba.	<u> </u>	Cart				ial Bignes			3UM BEN
Printed name:		Crissa	a D. (Carter		Т	Γitle:	HUTTER	CT II SUPE	RYISU	R	
Title:]	 Produc	tion /	Analyst		1	Approval Date:	<u>3-9</u>	-cc	Expintion	Dstc 3	-9-C1
Date:				Phone:		(Conditions of Appr	roval:				
	3/7/00		-	1 1	(505)748-1	288	Attached					

DISTRICT I P.O. Box 1680, Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

Pool Name

Loco Hills Paddock

State Lease - 4 Copies Fee Lease - 3 Copies

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

Well Number

DISTRICT IV P.O. Box 2088, Santa Fe, NM 87504-2088

API Number

Property Code

WELL LOCATION AND ACREAGE DEDICATION PLAT

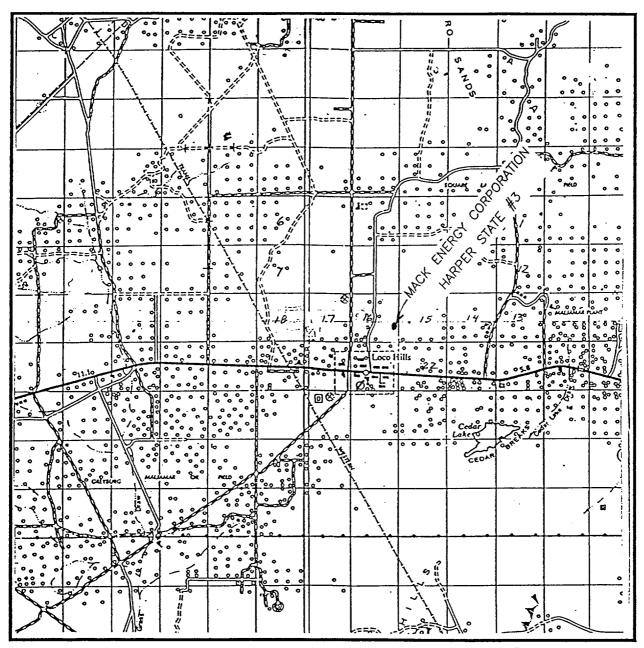
Property Name

Pool Code

96718

025029 0GRID No.			HARPER STATE								
		-	Elevation								
				MACH	Operator Na ENERGY CC			3682			
013837	<u> </u>			WINCE	Surface Loc			1 3002	-		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
	16	17 S	30 E		1650	SOUTH	330	EAST	EDDY		
·	<u> </u>	11, 0	1	Hole Lo	1	erent From Su	<u></u>		12001		
L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Dedicated Acre	s Joint	or Infill Co	nsolidation (Code Or	der No.	1	. <u>. </u>	1	<u> </u>		
40											
NO ALLO	OWABLE V	WILL BE AS	SSIGNED	ro THIS	COMPLETION	UNTIL ALL INTE	RESTS HAVE B	EEN CONSOLID	ATED		
		OR A N	ION-STAN	DARD UN	IIT HAS BEEN	APPROVED BY	THE DIVISION				
	· · · · · · · · · · · · · · · · · · ·						OPERATO	OR CERTIFICA	TION		
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VICINITY MAP



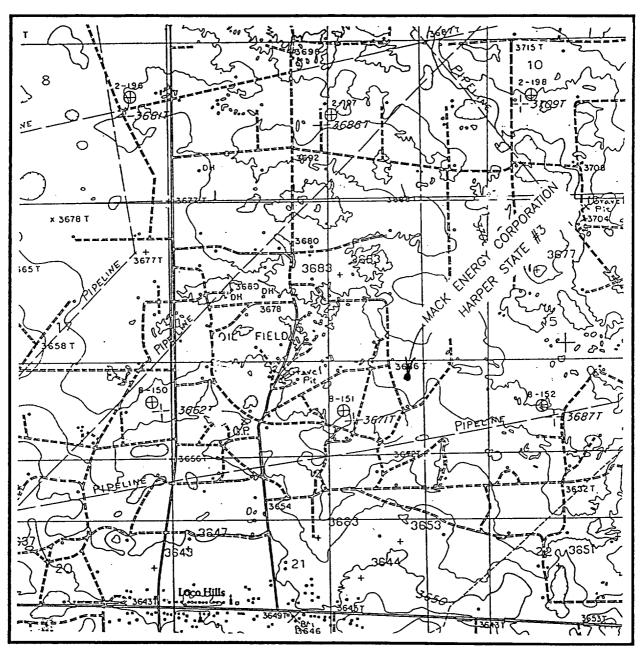
SCALE: 1" = 2 MILES

SEC. 16	IWP. 17-S RGE. 30-E
SURVEY	N.M.P.M.
COUNTY	EDDY
DESCRIPTIO	N 1650' FSL & 330' FEL
ELEVATION_	3682
OPERATOR_	MACK ENERGY CORPORATION
	HARPER STATE

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117



LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

CONTOUR INTERVAL - 10'

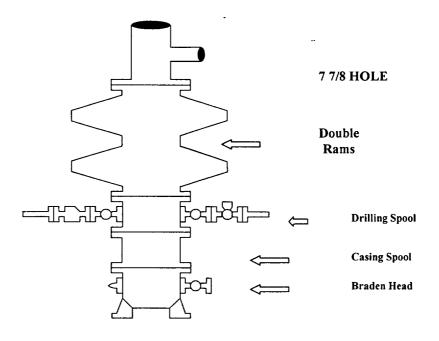
SEC. 16	TWP. <u>17-S</u> RGE	. <u>30-Е</u>
SURVEY	N.M.P.M.	
COUNTY	EDDY	
DESCRIPTION	N 1650' FSL &	330' FEL
ELEVATION_	3682	· · · · · · · · · · · · · · · · · · ·
OPERATOR_	MACK ENERGY	CORPORATION
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JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

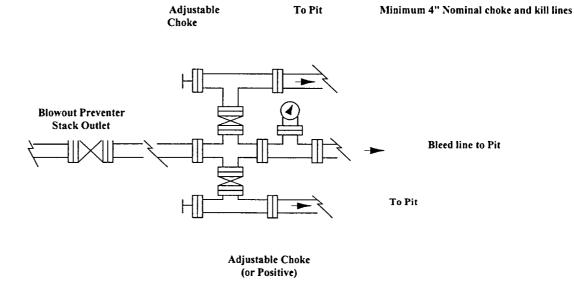


Mack Energy Corporation

Exhibit #1 BOPE Schematic



Choke Manifold Requirement (2000 psi WP) No Annular Required



Blowout Preventers Page 1

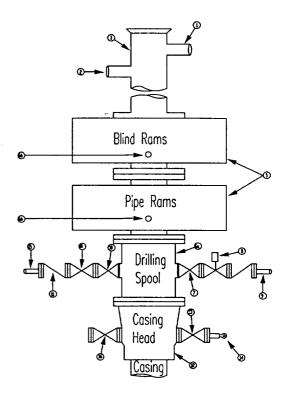
Mack Energy Corporation

Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #2

Stack Requirements

NO.	Items	Min.	Min.
NO.	nems	I.D.	Nominal
	The state of the s	1.D.	
ı	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically		
	operated rams		
6a	Drilling spool with 2" min. kill line and 3"		2"
İ	min choke line outlets		Choke
6b	2" min. kill line and 3" min. choke line		l
	outlets in ram. (Alternate to 6a above)		
7	Valve Gate	3 1/8	
·	Plug		-
8	Gate valve-power operated	3 1/8	· · · · · · · · · · · · · · · · · · ·
	L	-	3"
9	Line to choke manifold	24/14	3"
10	Valve Gate	2 1/16	ļ
	Plug		
11	Check valve	2 1/16	i
12	Casing head		
13	Valve Gate	1 13/16	
	Plug		
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"



OPTIONAL

16	Flanged Valve	1 13/16	

CONTRACTOR'S OPTION TO FURNISH:

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
- Automatic accumulator (80 gallon, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- BOP controls, to be located near drillers' position.
- 4. Kelly equipped with Kelly cock.
- Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
- 6. Kelly saver-sub equipped with rubber casing protector at all times.
- 7. Plug type blowout preventer tester.
- Extra set pipe rams to fit drill pipe in use on location at all times.
- Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

- 1. Bradenhead or casing head and side valves.
- 2. Wear bushing. If required.

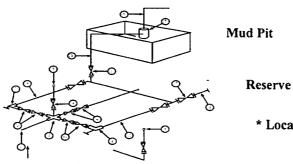
GENERAL NOTES:

- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service.
- Controls to be of standard design and each marked, showing opening and closing position
- Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, or bean

- sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- All valves to be equipped with hand-wheels or handles ready for immediate use.
- 6. Choke lines must be suitably anchored.
- 7. Handwheels and extensions to be connected and ready for
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- All seamless steel control piping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- Casinghead connections shall not be used except in case of emergency.
- 11. Do not use kill line for routine fill up operations.

Mack Energy Corporation

Exhibit #3 MIMIMUM CHOKE MANIFOLD 3,000, 5,000, and 10,000 PSI Working Pressure 2 M will be used or greater 3 MWP - 5 MWP - 10 MWP



Reserve Pit

* Location of separator optional

Below Substructure

Mimimum requirements

		3,0	00 MWP		. 5	,000 MWP		1	10,000 MWP	
No.		I.D.	NOMINAL	Rating	I.D.	Nominal	Rating	I.D.	Nominal	Rating
1	Line from drilling Spool		3"	3,000		3"	5,000	T	3"	10,000
2	Cross 3" x 3" x 3" x 2"			3,000			5,000		1	
2	Cross 3" x 3" x 3" x 2"									10,000
3	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
4	Valve Gate Plug	1 13/16		3,000	1 13/16		5,000	1 13/16		10,000
4a	Valves (1)	2 1/16		3,000	2 1/16		5,000	2 1/16		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
7	Adjustable Choke (3)	2"		3,000.	2"		5,000	2"		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5,000		2"	10,000
11	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
12	Line		3"	1,000		3"	1,000		3"	2,000
13	Line		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound Standpipe pressure quage			3,000			5,000			10,000
15	Gas Separator	İ	2' x5'			2' x5'			2' x5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valve Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000

- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

- All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP. 2.
- 3. All lines shall be securely anchored.
- Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
- Line from drilling spool to choke manifold should bee as straight as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees.