District I PO Box 1980, Hobbs, NM 88241-1980 District II - 811 S. 1st Street Artesia, NM 88210-1404

1000 Rio Brazos Rd, Aztec, NM 87410

District III

State of New Mexico
Energy, Minerals & Natural Resourses Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-101 Revised February 10/1994 Instructions on back

Submit to Appropriate District Off

State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

District IV PO Box 2088, Santa Fe, NM 87504-2088

APPLICA	TION I	FOR PE	RMIT '	TO DRII	LL, RE-EN	TER, DEE		o - ARTESIA I, PLUGBA	ΛÇΚ,	OR A	DD A ZONE	
Operator Name and Ad Mack Energy Corporation P.O. Box 960										OGRID Number 013837		
			A		88211-0960						PI Number	
										30.01	15-31019	
_	ty Code					operty Name		-			Well No.	
25	4/5					perial State					4	
	, G	Township	Panas	Lot Idn	Feet from the	ce Location		Feet from the	Fast/V	Vest line	County	
UL or lot no.	Section	·	Range 30E	Lottun	2185	e North/South line South		2310		East	Eddy	
J	16	17S	<u> </u>	Bottom 1		ion If Diffe	erent		<u> </u>	Last	1 Eddy	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South I		Feet from the		West line County		
		Propos	ed Pool 1	L	I			Propose	d Pool	2		
	Lo	co Hills Pa	ddock 9	6718						Post.	3-24-00	
											· •	
Work T	ype Code		Well Type Code		Cable/Rotary			Lease Type Code		Ground Level Elevation		
N			0		F			S			3679 Spud Date	
	tiple		Proposed Depth		Formation			Contractor				
N	0		4900			^{dock} nd Cement	Dro	LaRue			4/25/00	
Hole S	70	Casi	ng Size		ng weight/foot	Setting D			of Cemen	nt	Estimated TOC	
17 1/2			3/8		54.5	45e 350		C	irc	Surface		
12 1/-			5/8		24	1100'		Circ			· · ·	
7 7/8		5	1/2		17	4900	Sufficient to C		nt to C	irc	tt	
Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to drill to 350', run 13 3/8" casing and cement. Drill to 1100', run 8 5/8" casing and cement. Drill to 4900' and test Paddock Zone, run 5 1/2" casing and cement. Put well on production. Note: On Production string, a fluid caliber will be run and will figure cement with 25% excess, attempt to circulate.												
I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature Printed name: Crissa D. Carter					Approval by: Of Title: Di	RIGH	ONSERVA IAL SIGNED ICT II SUPEI	SY T	N W. G	UM BGX		
Title:		Productio	n Analysi	:				6.00	Expinti	ion Dstc3	-16-01	
Date: Phone: (505)748-1288					- 1	Conditions of Approval: Attached						

DISTRICT I P.O. Box 1960, Kobbs, NM 58241-1980

State of New Mexico

A 15 16 77 78 Revised February 10, 1994

Substitute to Appropriate District Office

Chate Lease - 4 Copies

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.C. Drawer DD, Artonia, NM 88211-0719

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

DISTRICT IV P.O. BOX 2068, SANTA FE, N.M. 87504-2068 OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLATE

API Number	Pool Code	Pool Name Loco Hills Paddock		
	96718			
Property Code	-	Perty Name Well RIAL STATE		
OGRID No. 013837		itor Name Y CORPORATION	Elevation 3679	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	16	17 S	30 E		2185	SOUTH	2310	EAST	EDDY

Bottom Hole Location If Different From Surface

UL 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 o	r Infill Co	nsolidation	Code Or	der No.	<u> </u>	<u> </u>	<u> </u>	
40									

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 CERTIFIC
	! 	1	I hereby certify the the contained herein is true and con best of my knowledge and bekief.
			Signature (
			Crissa D. Carter
			Printed Name
·	1	1	Production Analy
	1		3/15/00
			Date
			SURVEYOR CERTIFIC
		2310'	I hereby certify that the well is on this plat was plotted from actual surveys made by me supervison, and that the sum correct to the best of my
			Date Salvered Elouining
		2185	Professional American
			THE PROFESSION MODERAL PROFESSIO

ATION

information mplete to the

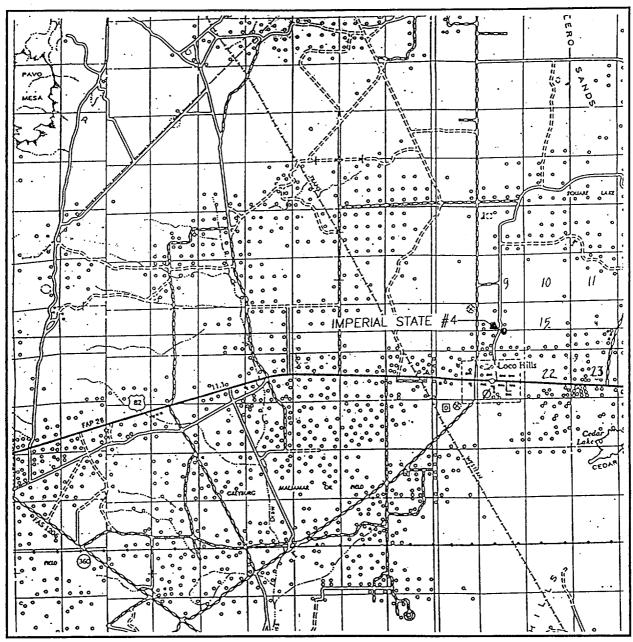
ATION

ecation shown Neld notes of er under my is true and okaf.

LMP

EDSON 12641 12165

VICINITY MA.



SCALE: 1" = 2 MILES

SEC. 16 TWP. 17-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2185' FSL & 2310' FEL

ELEVATION 3679

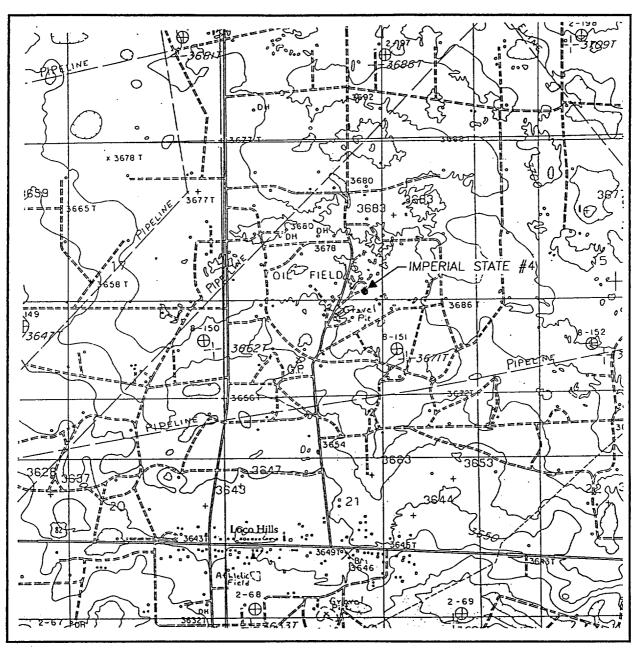
OPERATOR MACK ENERGY CORPORATION

LEASE IMPERIAL STATE

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



LOCATION VERFICATION MAP



SCALE: 1" = 2000'

LOCAL HILLS, N.M.

CONTOUR INTERVAL: LOCAL HILLS, N.M. - 10'

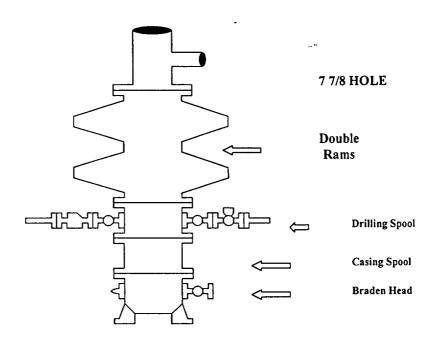
SEC. <u>16</u>	TWP. <u>17-S</u> RGE. <u>30-E</u>
SURVEY_	N.M.P.M.
COUNTY_	EDDY
DESCRIP	TION 2185' FSL & 2310' FEL
ELEVATIO	N3679
	PR MACK ENERGY CORPORATION
LEASE	IMPERIAL STATE
U.S.G.S.	TOPOGRAPHIC MAP

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



Mack Energy Corporation

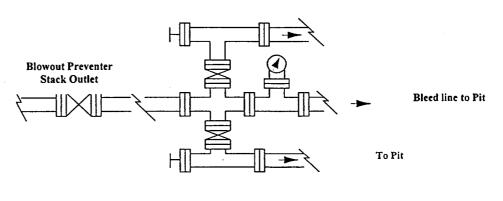
Exhibit #1 BOPE Schematic



Choke Manifold Requirement (2000 psi WP) No Annular Required

Adjustable Choke To Pit

Minimum 4" Nominal choke and kill lines



Adjustable Choke (or Positive)

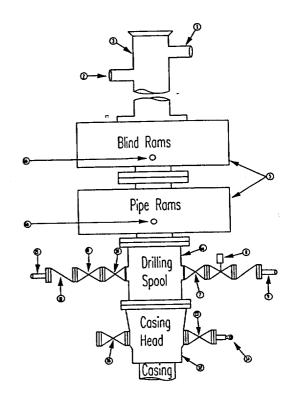
Mack Energy Corporation

Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #2

Stack Requirements

	Stack Requiremen		
NO.	Items	Min. I.D.	Min. Nominal
		1.D.	2"
1	Flowline		
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically		
6a	operated rams Drilling spool with 2" min. kill line and 3" min choke line outlets		2" Choke
6b	2" min. kill line and 3" min. choke line outlets in ram. (Alternate to 6a above)		
7	Valve Gate Plug	3 1/8	
8	Gate valve-power operated	3 1/8	
9	Line to choke manifold		3"
10	Valve Gate Plug	2 1/16	
11	Check valve	2 1/16	
12	Casing head		
13	Valve Gate Plug	1 13/16	
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.
- 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.
- 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.

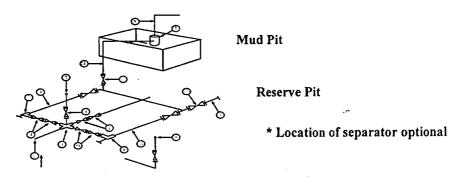
GENERAL NOTES:

- 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.
- Choke lines must be suitably anchored.
- 7. Handwheels and extensions to be connected and ready for use.
- 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 Corpora A

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



Below Substructure

Mimimum requirements

3,000 MWP 5,000 MWP 10,000 MWP I.D. NOMINAL Rating Nominal Rating I.D. Nominal Rating No. 3,000 10,000 Line from drilling Spool 3" 3" 5,000 3" 3,000 5,000 2 Cross 3" x 3" x 3" x 2" 10,000 Cross 3" x 3" x 3" x 2" 2 Valve Gate 3 1/8 3,000 3 1/8 5,000 3 1/8 10,000 3 Plug Valve Gate 1 13/16 5,000 1 13/16 10,000 3,000 4 13/16 Plug 10.000 4a Valves (1) 2 1/16 3,000 2 1/16 5.000 2 1/16 10,000 3,000 5,000 5 Pressure Gauge Valve Gate 5,000 3 1/8 10,000 3 1/8 3,000 3 1/8 6 Plug 2" 2" Adjustable Choke (3) 2" 3,000 5,000 10,000 7 Adjustable Choke 3,000 1" 5,000 2" 10,000 8 1" 10,000 3 Line 3,000 5,000 2" 5,000 2* 10,000 2' 3,000 10 Line Valve Gate 3 1/8 3,000 3 1/8 5,000 3 1/8 10,000 11 Plug 1,000 1,000 3" 2,000 12 Line 3" 3" 3" 3" 1,000 2,000 3" 1,000 13 Line Remote reading compound 10,000 14 3,000 5,000 Standpipe pressure quage 2' x5' 2' x5' 15 Gas Separator 2' x5 4" 4" 2,000 1,000 1,000 16 Line 4" Valve Gate 3 1/8 3.000 3 1/8 5.000 3 1/8 10,000 17 Plug

- (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

- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
- 5. 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.
- 6. 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.