District 1 PO Box 1980, Ho District II 811 S. 1st Street A District III 1000 Rio Brazos District IV PO Box 2088, Sar	Artesia, NM (88210-1 NM 874	404 10	Ō	Energy, Mir DIL CON	ISERVAT PO Box 2	Resourses Depar	SION	 J Subr		Ins ppropria State Fee	Form C- W February 10, 1994 structions on back the District Office Lease - 6 Copies Lease - 5 Copies		
APPLICA	TION I	FOR	PER	М	Operator lack Energ P.O. E	LL, RE-ER Name and Ad y Corporation Box 960 1 88211-0960	dress 1	EPE	N, PLUGBA	ACK,	OG	DD A ZONE RID Number 013837 PI Number 306/S -015		
Prope	rty Code			· · ·		P	roperty Name					Well No.		
01	6394	_					State S-19					5		
							Location		T	<u>r</u>		<u>r</u>		
UL or lot no.	Section	Town	nship	Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/W	est line	County		
4	19	17		29E		330	South		581	J	Vest	Eddy		
			Prop	osed I					nt From Sur	r		·		
UL or lot No.	Section	Town	ship	Range	Lot Idn	Feet from the	North/South	i line	Feet from the	East/V	Vest line	County		
				Pool 1		<u> </u>	· · · · · · · · · · · · · · · · · · ·		 	L Deel (·····			
			-		~				Propose	ed Pool 2	2			
		Empi	re Yes	o 96210)									
Work T	ype Code			/ell Type	Code	Cabl	e/Rotary	<u> </u>	Lease Type Co	de	Groun	d Level Elevation		
									S			Ground Level Elevation 3659 Spud Date 8/01/1999		
Mul	ltiple		P	O roposed I	Depth		R mation		5 Contractor					
N				4200'		Pac	ldock		LaRue		9	8/01/1999		
	<u> </u>		-			l	nd Cemen	t Pro						
Hole S	ize		Casing			ng weight/foot	Setting			of Cement		Estimated TOC		
17 1/2			13 3		_	54.5#	350		С	irc	P	st ID-1		
12 1/-			8 5/			24#	800)'	Sufficier	nt to Ci	rc	4-9-99		
7 7/8	· · · · · · · · · · · · · · · · · · ·		5 1/			17#	420	0'	Sufficier	nt to Ci	rc A	PItLoc		
zone. Describe casing and	the blowou N	t preven Iack E Drill	ntion p Energy to 420	rogram, if Corpora)0' and to	any. Use add ation propo est Yeso, r	ditional sheets if oses to drill to un 5 1/2" casi	f necessary. 350', run 13 ing and cemer	3/8" c .t. Pu	e present productiv asing and cemen t well on product well on product we excess attem	nt. Dril 203 Aport.	$\frac{1}{1-7}$			
I hereby certify	that the info	ormatio	n given	above is t	rue and comp	lete to the best	~		CONSERVA	TION		SION		
of my knowledg		<u> </u>												
Signature	T	latt	1.1	Brewe	~		Approval by:		IGINAL SIGNI STRICT II SUI			GUN Box		
Printed name:		4	r It J. Bi				Title:							
Title:		Geolo	gical I	Engineer			Approval Date:	4	-5.99	Expiration	on Date Z	4-5-00		
Date:				Phone:			Conditions of A							
4/01/1999				(505)748-	1288	Attached 🔲								

30672

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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.C. 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name			
	96210	Empire Yeso			
Property Code	Property N	ame Well ?	lumber		
016394	STATE S-1	9	5		
OGRID No.	Operator N	ame Elev	ation		
013837	MACK ENERGY C	ORPORATION 36	59		
	Surface Lo	cation			

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	19	17 S	29 E		330	SOUTH	581	WEST	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 Acres	Joint o	r Infill Co	nsolidation (ode Ore	der No.				
27.5									

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

LOT 1 07 70 40		
LOT 1 27.36 AC.		OPERATOR CERTIFICATION
		I hereby certify the the information
		contained herein is true and complete to the
	á –	best of my knowledge and belief.
		MILIA
		Matt J. Brower
	L	Signature
LOT 2 27.28 AC.		Matt J. Brewer
		Printed Name
		Geological Engineer
		Title
		4/1/99
		Date
		SURVEYOR CERTIFICATION
LOT 3 27.40 AC.	łł	
LUI J 27.40 AC.		I hereby certify that the well location shown
	i i	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
		correct to the best of my belief.
		APRIL 21, 1997
		Date Surveyed J. E/Date Surveyed J. E/Date
<u> </u>	↓	Signature & Seal of ()
LOT 4 27.50 AC.		Protectional Surveyor
	1	KAMA (1373) NOM 3629-97
		19 g. Num 97-11-5722
		/ 1990. WUTH. 9/- 11-9/22
581' 330'	·	Certificere No. JOHN TO WEST, 676
10		PROFERSION, 3239
n n n n n n n n n n n n n n n n n n n		G. EIDSON, 12641

VICINITY MAP



SCALE: 1'' = 2 MILES

SEC. <u>19</u> TWP.<u>17–S</u> RGE.<u>29–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>330' FSL & 581' FWL</u> ELEVATION <u>3659'</u> OPERATOR <u>MACK ENERGY CORP.</u> LEASE <u>STATE S–19</u>

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

LOCATION VERIFICATION MAP



SEC. <u>19</u> TWP.<u>17–S</u> RGE.<u>29–E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>330' FSL & 581' FWL</u> ELEVATION <u>3659'</u> OPERATOR <u>MACK ENERGY CORP.</u> LEASE <u>STATE S–19</u> U.S.G.S. TOPOGRAPHIC MAP RED LAKE SE, N.M.

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

Mack Energy Corporation Exhibit #9 BOPE Schematic



Choke Manifold Requirement (2000 psi WP) No Annular Required



Adjustable Choke (or Positive)

Mack Energy Corporatio. Minimum Blowout Preventer Requirements 2000 psi Working Pressure 2 MWP EXHIBIT #10

	Stack Requireme	III U	
NO.	Items	Min.	Min.
		I.D.	Nominal
I	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
<u>6a</u>	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"

Stack Requirements



OPTIONAL

CONTRACTOR'S OPTION TO FURNISH:

16

Flanged Valve

- 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.
- 3. 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.
- Kelly saver-sub equipped with rubber casing protector at all times.
- Plug type blowout preventer tester.
 Extra set pipe rams to fit drill pipe in
- use on location at all times.9. Type RX ring gaskets in place of
- 7. 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:

1 13/16

- 1. 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.
- 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.

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Mack Energy Corpora

Exhibit #11 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

1

* Location of separator optional

Below Substructure

Mimimum requirements

		3,00	00 MWP		5,0	000 MWP		10.		
No.		I.D.	NOMINAL	Rating	1.D.	Nominal	Rating	1.D.	Nominal	Rating
1	Line from drilling Spool		3"	3,000		3"	5,000		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"	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	<u> </u>		5,000			10,000
15	Gas Separator		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

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.