N. M. Oil Cons. Division

81 S. IST ST.

(Other Instructures as on

USF

### **UNITED STATES DEPARTMENT OF THE INTERIOR**

ARTESIA, NM 8821002834

orm approved.	- (
Budget Bureau No.	1004-0136
Expires: December	31, 1991

	BUREAU OF	LAND MANA	GEMEN	TT		5. LEASE DESIGNATION AND SERIAL NO.  NM-14840
ADDI						6. IF INDIAN, ALLOTTEE OR TRIBE NAME
<del></del>	ICATION FOR PE	RIVITIO	DRILL	OR DEEPEN	<del> · · · · · · · · · · · · · · · · · · </del>	
b. TYPE OF WELL OIL WELL  2. NAME OF OPERATOR Mack Energy Cor J. ADDRESS AND TELEPHONE N P.O. Box 960, Art			48-1288	NGLE MULTIFICATION MULTIFICATI	PLE	7. UNIT AGREEMENT NAME  8. FARM OR LEASE NAME, WELLYO.  White Star Federal #8  9. API WELL NO.  30 - 015 - 30707  10. FIELD AND POOL, OR WILDCAT  East Empire Yeso 96610
At surface	-	02 FNL & 231	- 1	E DOD CEIVED		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. 20	. 10	02 FNL & 231	10 FWL	129	4	Sec 29 T17S R29E
14. DISTANCE IN MILES A	AND DIRECTION FROM NEARE	ST TOWN OR POS West of Loco		WEISTING!	99	12. COUNTY OR PARISH 13. STATE  Eddy NM
15. DISTANCE FROM PROI LOCATION TO NEARE PROPERTY OR LEASE (Also to nearest di 18. DISTANCE FROM PROI	POSED* ST E LINE, FT. rlg. unit line, if any)	318	16. NO.	OF ACRES IN LEASE 280 DPOSED DEPTH	TOTE	Eddy NM  OF ACRES IN LEASE HIS WELL 40  RY OR CABLE TOOLS
	RILLING, COMPLETED	1320	15.1 KG	5800	20. RO1A	Rotary
21. ELEVATIONS (Show	whether DF, RT, GR, etc.) 3611				<b>-</b>	22. APPROX. DATE WORK WILL START* 08/10/1999
23.	]	PROPOSED CASI	ING AND	CEMENTING PROGRA	NI	_
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	тоот	SETTING DEPTH		QUANTITY OF CEMENT B3FID
17 1/2	K-55,13 3/8	48				Circ 8-6-99
12 1/4 7 7/8	K-55, 8 5/8 J-55, 5 1/2	24 17		850 5800		Circ AIT 4 Loc Suff to Circ
productive, 5 1/2"	casing will be cemented	. If non-produ	ıctive, tl	he well will be plugg	ed and at	res formation for oil. If  pandoned in a manor consistent  I in the following attachments:
1. Surveys Exhibit #1- Wel	I I agation Dist	4. Cert	ificatior	<u>1</u>		7. Responsibility Statement
Exhibit #2- Vici	nity Map ation Verification Map	Exhi	bit #7- l	ulfide Drilling Oper H2S Warning Sign H2S Safety Equipme		
	Mile Radius Map duction Facilities Layou	Exhi	bit #9- bit #10-	BOPE Schematic Blowout Preventer Choke Manifold	Requiren	nents
IN ABOVE SPACE DESCRI deepen directionally, give per	IBE PROPOSED PROGRAM: If tinent data on subsurface locations	proposal is to deepe and measured and t	en, give dat true vertica	ta on present productive zone I depths. Give blowout preven	e and propose iter program,	ed new productive zone. If proposal is to drill or if any.
signed Matt	1 Brewer	TITL	.E	Geological Eng	ineer	DATE05/18/1999
•	eral or State office use)			BBBOWAL SATE		
						ould entitle the applicant to conduct operations thereor
CONDITIONS OF APPROVA		s cting				outh entitle the applicant to conduct operations thereon
APPROVED BY	ARTY DEBEN	As		Field Office Manag I Minerals	ger,	DATE JUL 2 6 1999

### 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

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, N.M. 87504-2088

### 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 N	ame
	96610	East Empire Y	eso
Property Code	Prop	Well Number	
022546	WHITE ST	8	
OGRID No.	Oper	Elevation	
013837	MACK ENERG	SY CORPORATION	3611

#### Surface Location

UL or lot No. S	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	17 S	29 E		1002	NORTH	2310	WEST	EDDY

### Bottom Hole Location If Different From Surface

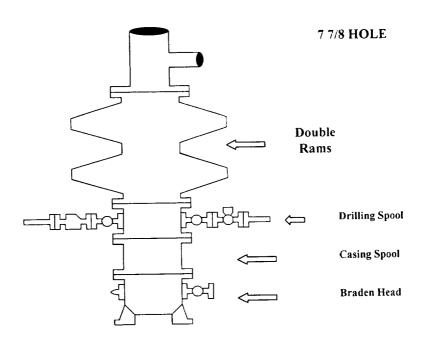
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint o	r Infill Co	nsolidation (	Code Or	der No.				
40	_								

### 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

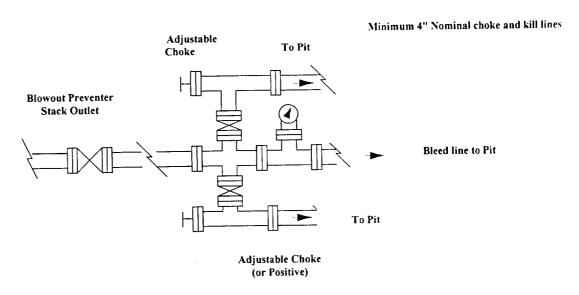
3614.1' 3613.0'	OPERATOR CERTIFICATION  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
3610.6° 3606.0°	Matt J. Brewer
	Matt J. Brewer Printed Name
	Geological Engineer
	5-18-99 Date SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my
	supervison, and that the same is true and correct to the best of my belief.
	Date Surveyed DMCC Signature & Geal Professional Survey D
	MEXICA 19 4-06-49
	Certificate No. RONALD JEESON 3239 CARY EIDON 12641 MACON MOSONALD 12185

## **Mack Energy Corporation**

# Exhibit #9 BOPE Schematic



### Choke Manifold Requirement (2000 psi WP) No Annular Required



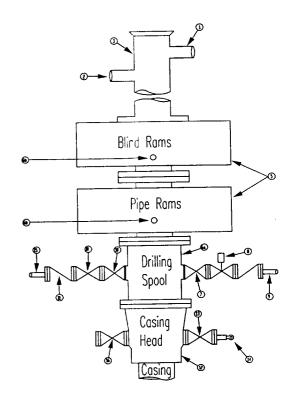
### **Mack Energy Corporation**

### Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #10

**Stack Requirements** 

NO.	Items	Min.	Min.
110.	Rems	I.D.	Nominal
i	Flowline		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" 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.
- 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.
- 8. 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:

- 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.
- 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 Corporation**

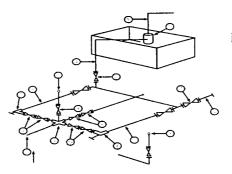
Exhibit #11

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



**Mud Pit** 

Reserve Pit

\* Location of separator optional

**Below Substructure** 

### Mimimum requirements

			IV.	umimun	n require					
		3,000 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		3"	10,000
2	Cross 3" x 3" x 3" x 2"			3,000			5,000			
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		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.