			<b>N.</b> N	I. Oil Cons. Di	vision	· •	. (	
Form: 3160-3 (December 1990)		ED STATE	S	811 Stand Stand	tè. as on	* Form approved. Budget Bureau Expires: Decem		
	DEPARTMEN BUREAU OF	T OF THE			ſ	5. LEASE DESIGNATION		
	CATION FOR PI					6. IF INDIAN, ALLOTTEE		
1a. TYPE OF WORK	· · · · · · · · · · · · · · · · · · ·			LORDEEPEN	+ 1/2		OR TRIBE NAME	
b. TYPE OF WELL	ш⊠	DEEPEN		) (* 11/05	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	• 7. UNIT AGREEMENT N	AME	
WELL W   2. NAME OF OPERATOR	eli OTHER		INGLE MULTIN ONE ZONE	PLE C	8. FARMOR LEASE NAME, WE White Star Fo	1270		
Mack Energy Corp		837		ن ک		9. API WELL NO		
3. ADDRESS AND TELEPHONE NO P.O. Box 960, Artes	sia, NM 88211-0960	(505) 7	48-128	8	5 	30-015-		
4. LOCATION OF WELL At surface	(Report location clearly a )	and in accordance	with any	state requirem ent.*)		Empire A		
At proposed prod. zon	· WX A	2150 FNL 330 2150 FNL 330				11. SEC., T., R., M., OR H AND SURVEY OR AR Sec 29 T175	EA ·	
14. DISTANCE IN MILES AN	U D DIRECTION FROM NEAR			E*		12. COUNTY OR PARISE		
	6.25 mile	es West Loco H		-		Eddy	NM	
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE I (A iso to nearest drig	C Line, ft.	330	16. NO	OF ACRES IN LEASE		NO OF ACRES IN LEASE TO THIS WELL 40		
18. DISTANCE FROM PROPO TO NEAREST WELL, DR OR APPLIED FOR, ON TH	ILLING, COMPLETED IS LEASE, FT.		19. PROPOSED DEPTH 20. RG 7000		20. ROTAR	FARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show w	bether DF, RT, GR, etc.) 3582 GR			· ·		22. APPROX. DATE WORK 12/1/9		
23.		PROPOSED CASI	ING ANI	CEMENTING PROGRAM	м			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER F	00т	SETTING DEPTH		QUANTITY OF CEMEN	t <b>T</b>	
17 1/2	13 3/8, K-55	48		300	STR.	Circ		
<u>    12 1/4                              </u>	8 5/8, K-55 5 1/2, J-55	24		800	1	<u>Circ</u>		
	5 1/2, 0-55	1		/000		Sufficient to Cir	r <b>c.</b>	
be cemented. If non	gy proposes to drill to -productive, the well s per Onshore Oil and	will be plugged	l and a	bandoned in a mano	r consisten ng att <b>app</b>	it with federal regu	lation. TO	
<b>Drilling Program</b>	``		LIK	EAPPROVA		AL STIPULATIC		
Surface Use & Ope	erating Plan	1. S. S.	91	STAT Exhibit #4 - One- M		CHED		
Exhibit #1 & 1A - l	Blowout Preventer Ec	quipment		Exhibit #5 - Product	tion Facilit	ties Layout	2-13-98 DI & Loc	
Exhibit #2 - Locati	on and Elevation Plat	:		Exhibit #6 - Location	n Layout	ħ,	Ethe	
Exhibit #3 - Planne		Exhibit #7 - H2S Drilling Operations Plan						
IN ABOVE SPACE DESCRIB deepen directionally, give pertit	E PROPOSED PROGRAM: In nent data on subsurface location	f proposal is to deep is and measured and i	en, give d: true vertic	ata on present productive zon al depths. Give blowout preve	e and proposed nter program, i	d new productive zone. If p if any.	roposal is to drill or	
signed	m D. Carto	ттт	.E	Production Cle	erk	DATE1	1/4/97	
(This space for Feder	al or State office use)							
Application approval does n CONDITIONS OF APPROVAL	ot warrant or certify that the ap	plicant holds legal or e	quitable ti	tle to those rights in the subject	lease which wo	<b>uid entitle the applican</b> t to co	nduct operations thereon.	
	SGER SEC. 1984	. 8,11.		ADM. RENERES		12/16	67	
				<u> </u>		_DAT _/ _/ // /	///	

\*See Instructions On Reverse Side 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 DISTRICT I P.3. Box 1980, Hobbs, NM 88241-1980 State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT II P.O. Drawer DD, Artonia, NM 86211-0719

DISTRICT III

1000 Rio Brazos Rd., Astec, NM 87410

DISTRICT IV

Γ.

P.O. Box 2068, Santa Fe, NM 87504-2088

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

D AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

Well Number
1
Elevation
3582

					Surface Doct	A GON			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Н	29	17 S	29 E		2150	NORTH	330	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 Acres	Joint of	r Infill Co	nsolidation (	Code Or	der No.			L	L

## 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

	1		4		OPERATOR CERTIFICATION
	 				I hereby certify the the information contained herein is true and complete to the best of my knowledge and betigf.
	!     		2150'-		(Mon Dalo Signature
					Crissa D. Carter
				<b>J</b> 584.1'	Printed Name Production Clerk
			3585.9'		Title
			I &-	330	<u>11/4/97</u> Date
			لــــــــــــــــــــــــــــــــــــ	1.61	SURVEYOR CERTIFICATION
				3581.	
					I hereby certify that the well location shown on this plat was plotted from field notes of
					actual surveys made by we or under my supervison, and that the same is true and correct to the best of my being.
					OCTOBER 27, 1997 Date Surveyed JLP
4					Signature & Seal of Professional Surveyor
					Bonel 2 2 10 31-97 W.O. O. Wum. 97-11-1733
		   			Certificate No. RONALD J. EDSON, 3239 GARY 6. EDSON, 12841 MACON McDONALD, 12185

## Attachment to Exhibit #1 NOTES REGARDING THE BLOWOUT PREVENTERS White Star Federal #1 Eddy County, New Mexico

1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.

2. Wear ring to be properly installed in head.

3. Blow out preventer and all fittings must be in good condition, 2000 psi W.P. minimum.

- 4. All fittings to be flanged.
- 5. Safety valve must be available on rig floor at all times with proper connections, valve to be full 2000 psi W.P. minimum.
- 6. All choke and fill lines to be securely anchored, especially ends of choke lines.
- 7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- 8. Kelly cock on Kelly.
- 9. Extension wrenches and hand wheels to be properly installed.
- 10. Blow out preventer control to be located as close to driller's position as feasible.
- 11. Blow out preventer closing equipment to include minimum 40 gallon accumulator, two independent sources of pump power on each closing unit installation all API specifications.

## MINIMUM 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



**BEYOND SUBSTRUCTURE** 

			MINI	MUM REQU	JIREMENT	5				
			3,000 MWP			5,000 MWP			10,000 MWF	<b>,</b>
No.		I.D.	NOMINAL	RATING	I.D.	NOMINAL	RATING	1.D.	NOMINAL	RATING
1	Line from drilling spool		3"	3,000		3*	5,000		3*	10,000
2	Cross 3"x3"x3"x2"			3,000			5,000		· · · · ·	
	Cross 3"x3"x3"x3"									10,000
3	Valves(1) Gale D Plug D(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
4	Valve Gate C Plug D(2)	1-13/16*		3,000	1-13/18*		5,000	1-13/16*		10,000
4a	Valves(1)	2-1/18"		3,000	2-1/15*		5,000	3-1/8*		10,000
б	Pressure Gauge			3,000			5,000			10,000
8	Gale C Valves Plug (2)	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	Llas		3*	3,000		3*	5,000		3.	10,000
10	Line		2*	3,000		2*	5,000		3.	10.000
11	Valves Gate D Plug D(2)	3-1/8*		3,000	3-1/8*		5,000	3-1/8*		10,000
12	Lines		3.	1,000		3.	1,000		3.	2,000
13	Lines		3"	1,000		3"	1,000		3.	2,000
14	Remote reading compound standpipe pressure gauge			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	Valves Gate [] Plug [](2)	3-1/8*		3,000	3-1/8"		5,000	3-1/8*		10,000

(1) Only one required in Class 3M.

EXHIBIT #1-A

(2) Gate valves only shall be used for Class 10M.

(3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

## EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTIONS

- 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.
- 8. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90° bends using bull plugged tees.

### MINIMUM BLOWOUT PREVENTER REQUIREMENTS

### 2.,000 psi Working Pressure

2 MWP

# MACK ENERGY CORPORATION

	STAC	KREQUIREM	ENTS	
No.	ltem		Min. I.D.	Min. Nominal
1	Flowline			
2	Fill up line			2"
3	Drilling nipple			1
4	Annular preventer			
5	Two single or one dual operated rams			
6a	Drilling spool with 2" m 3" min choke line outle		2"Choks	
6b	2" min. kill line and 3" outlets in ram. (Alternat			
7	Valve	3-1/8*		
8	Gate valve-power ope	3-1/8"	1	
9	Line to choke manifold			3*
10	Valves	Gate 🗆 Plug 🕞	2-1/16"	
11	Check valve		2-1/16*	
12	Casing head			
13	Valve	Gale 🗆 Plug 🗆	1-13/16*	
14	Pressure gauge with ne	edle valve		
15	Kill line to rig mud pump		2*	



	Of	TIONAL
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 2,000 psi, minimum.
- 2. 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 prevventer 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.
- 9. Type RX ring gaskets in place of Type R.

### MEC TO FURNISH:

- 1.Bradenhead or casinghead 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.
- 2.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 chore. 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.
- 4.Chokes will be posliloned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, other bean sizes, retainers, and choke wrenches to be conveniently located for immediate use.
- All values to be equipped with handwheels or handles ready for immediate use.
- 6. 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.
- 9 All seamless steel control piping ( 7.000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
- 10.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 #1-A

## United State Department of the Interior

## BUREAU OF LAND MANAGEMENT Roswell Resource Area P.O. Drawer 1857 Roswell, New Mexico 88202-1857

## **Statement Accepting Responsibility for Operations**

<b>Operator name:</b>	Mack Energy Corporation
Street or box :	P.O. Box 960
City, State :	Artesia, NM
Zip Code, :	88211-0960

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Legal Description of land: Sec 29-T17S-R29E SE/4 NE/4

Formation(s) (if applicable): Empire Abo

Bond Coverage: (State if individually bonded or another's bond) Individually Bonded

**BLM Bond File No.:** 58 59 88

**Authorized Signature:** 

Crissa D. Carter

**Title:** Production Clerk

TIOUUCIION

Date:

11-4-97