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

PO Box 2088, Santa Fe, NM 87504-2088

District IV

State of New Mexico Energy, Minerals & Natural Resourses Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

____AMENDED REPORT

AFFLICA	TION	FOR I	PERMIT	TO DRII	LL, RE-EN	IER, DEE	PEN,	PLUGBA	ACK,		DD A ZONE
					Name and Add	ress				OG	RID Number
			N		y Corporation Box 960						013837
			Δ		80x 900 I 88211-0960						PI Number
										<u> 30-1</u>	25-35263
Proper	ny Code				Pr	operty Name					Well No.
26	869					rles S. Alves	***				55
	·				Surface I	Cocation					
UL or lot no.	L or lot no. Section Township Range Lot Idn Fee				Feet from the	North/South 1	ine Fe	et from the	East/W	est line	County
G	7	19S			1720	North		1720		East	Lea, NM
		F	roposed l	Bottom 1	Hole Locat	ion If Diffe	erent F	rom Sur	face		
UL or lot No.	Section	Townsl	nip Range	Lot Idn	Feet from the	North/South I	ine Fe	et from the	East/W	est line	County
		<u>.</u>							<u> </u>	<u> </u>	<u> </u>
		Pro	posed Pool 1					Propos	ed Pool 2	2	
	Sch	arb Bo	ne Springs 5	5610							
			 					T 0	1	6	drlrl
Work I	ype Code		Well Type	Code		Rotary	Le	ease Type Co	į		
			0	Donale	1	nation		8 P Contractor		3874 Spud Date	
	ltiple		Proposed	-				Commactor		· ·	
N	О		1030			Springs	D				12/20/00
				- , 	d Casing ar	,			of Cement		Estimated TOC
Hole S 17 1/			Casing Size	Casi	ng weight/foot	Setting Depth 400'		+	Circ	· -	Estimated TOC
17 1/			8 5/8	 	24			Circ			
7 7/8			5 1/2		17)'	+	nt to Ci	rc	
7 770	,	-	3 1.2								
Describe the p	roposed pro	gram. If	this application	n is to DEEP	EN or PLUG BA	CK give the data	on the pre	sent producti	ve zone a	nd propos	ed new productive
zone. Describe					ditional sheets if oses to drill to		/8" casin	g and ceme	ent. Dril	ll to 4000)', run 8 5/8"
					Springs Zone,						
casing an	a cement.	Dilli	0 10300 and	test bolle	Springs Zone,	run 5 1/2 cas	ing and t	content. Tu	it wen o	n produc	tion.
	D 1.		0.11			Carra comont	:+h 250	V 020000 0	ttomat t	o circula	ta
Note: Or	n Product	on strir	ig, a fiuld ca	nder Will D	e run and will	ngure cement	will 237	/U EXLESS, A	acmpt to	o encuia	
						Permit Ex	pires	1 Year F	rom A	pprov	al
						Date (Jnless	Drilling	Unde:	rway	
I hereby certify	that the inf	ormation	given above is	true and com	plete to the best			IOESY	TION	DIN	
of my knowledg		A	, , ,		1	Ol		NSERVA	Y CHE:	S VVII LI	SIGN
Signature		(1	100a 1).(ai		Approval by:	pis	TRICTIS	UPERVI	SOR	
Printed name:		Criss	a D. Carter	*		Title:					
						1.23	- C		rii.	on Dstc	
Title:		Produ	tion Analysi		i	Approval Dale:			Expinite	JII DSIC	
Title: Date:		Produc	ction Analysi Phone:			Conditions of App	oroval:		Expinite	on Dste	

Energy, Minerals and Natural Resources Departmen'

Form C-102 Revised February 10, 1994

Submit to Appropriate District Office
State Lease - 4 Conies

State Lease — 4 Copies Fee Lease — 3 Copies

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

DISTRICT IV

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

P.O. BOX 2068, 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

Pool Code	Pool Name	
55610	Scharb Bone Spring	ş
Property	Name	Well Number
CHARLES S	S. ALVES	5
Operator	Name	Elevation
MACK ENER	GY CORP.	3874
	55610 Property CHARLES S Operator	1

Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
G	7	19 S	35 E		1720	NORTH	1720	EAST	LEA

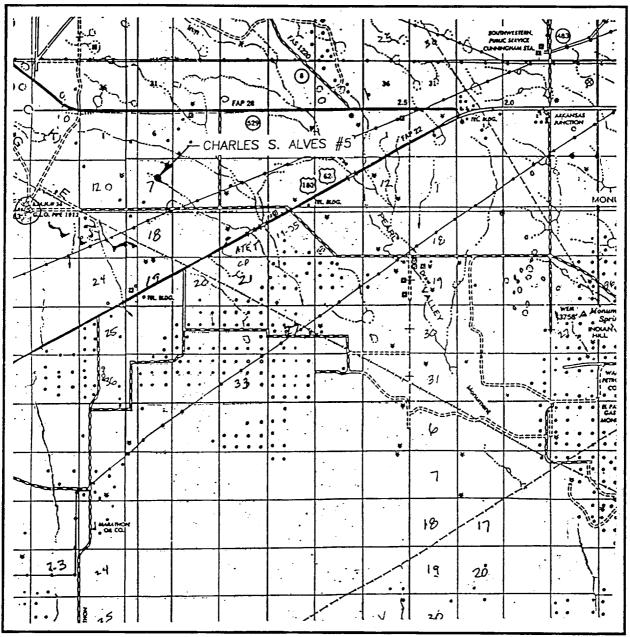
Bottom Hole Location If Different From Surface

							-		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	1	r Infill Co	nsolidation	Code Or	der No.				

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 CERTIFICATION
	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.
1720	Signature Cat
1720'	Crissa D. Carter Printed Name
1723	Production Analyst
	SURVEYOR CERTIFICATION
	I hereby certify that the well location shown on this plat was platted 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.
	NOVEMBER 3, 2000 Date Surveyed LMP Signature & Scal of Professional Surveyor
	Ronald Leulan 11/08/00
	Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641

VICINITY MAP

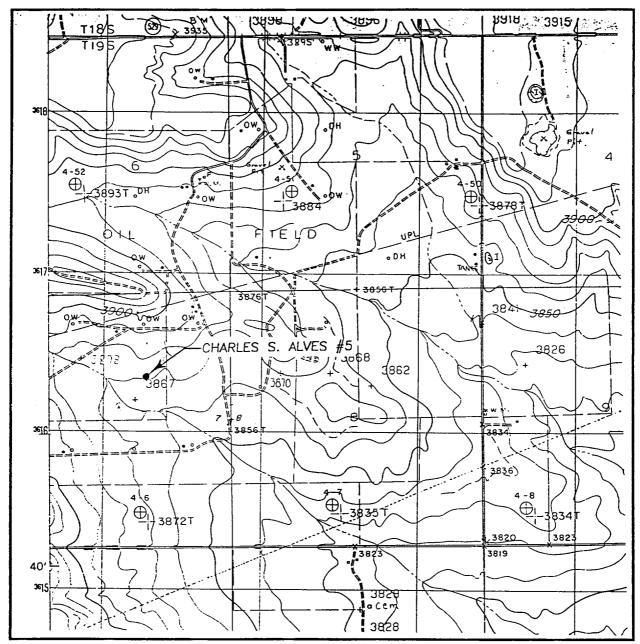


SCALE: 1" = 2 MILES

SEC. 7 TWP	. <u>19-S_RGE35-E</u>
SURVEY	N.M.P.M.
COUNTY	LEA
DESCRIPTION_17	720' FNL & 1720' FEL
ELEVATION	3874
OPERATORM	ACK ENERGY CORP.
LEASECH	ARLES S. ALVES

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

LOCATION VERFICATION MAP



SCALE: 1" = 2000'

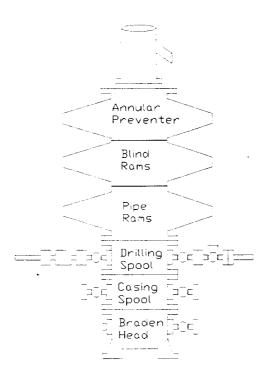
CONTOUR INTERVAL: IRON HOUSE DRAW, N.M. - 10'

SEC. 7 TWP. 19-S RGE. 35-E
SURVEY N.M.P.M.
COUNTYLEA
DESCRIPTION 1720' FNL & 1720' FEL
ELEVATION 3874
OPERATOR MACK ENERGY CORP.
LEASE CHARLES S. ALVES
U.S.G.S. TOPOGRAPHIC MAP IRON HOUSE DRAW, N.M.

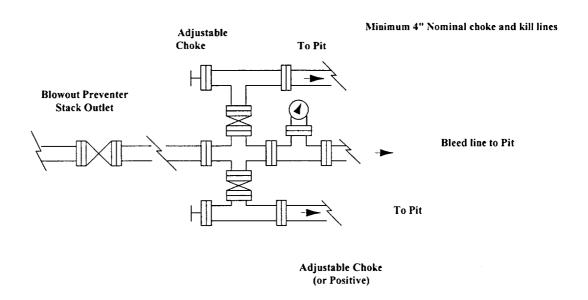
JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

Mack Energy Corporation

Exhibit #9 BOPE Schematic



Choke Manifold Requirement (3000 psi WP)



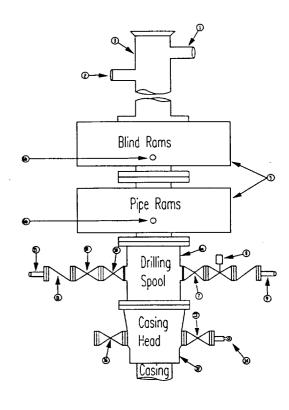
Blowout Preventers Page 16

Mack Energy Corporation Minimum Blowout Preventer Requirements

3000 psi Working Pressure 3 MWP EXHIBIT #10

Stack Requirements

	Stack Requiremen	iits	
NO.	Items	Min.	Min.
		I.D.	Nominal
1	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" 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"
	1	<u> </u>	



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 3000 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.
- 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:

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

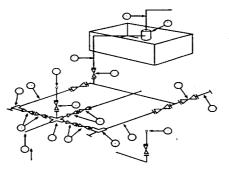
GENERAL NOTES:

- 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
- Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
- All seamless steel control piping (3000 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

		3,0	3,000 MWP 5,000 MWP						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	ĺ	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	T	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'		<u> </u>	2' x5'			
16	Line	T	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.

Blowout Preventers Page 18

ABOVE DATE DOES NOT INDICATE WHEN CONFIDENTIAL LOGS WILL BE RELEASED