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 District IV

PO Box 2088, Santa Fe, NM 87504-2088

Sales Sales

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 Office
State Lease - 6 Copies
Fee Lease - 5 Copies

AMENDED REPORT

JBACK

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD & ZON

APPLICA	TION	PER PER	RMIT 1	lo Dri	ILL, RE-EN	TER, DEE	3PEN	, PLUGBA	ACK,	· .	15 18 2° 1
				-	or Name and Addr						Number /
			IVI		gy Corporation Box 960				}		013837
			Α		M 88211-0960				1		PI Number
	~ 1.									30-1	-025-01257
	rty Code	/				roperty Name					Well No.
34	4552	L				napper State					6
					Surface I						-
UL or lot no.	Section	Township	1 1	Lot Idn	Feet from the	North/South I	ine J	Feet from the	East/W	West line	County
Ą	14	16S	33E	<u> </u>	660	North		660		East	Lea
			posed P	,	Hole Locati	ion If Diffe	erent	From Sur	face		
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South I	ine	Feet from the	East/W	West line	County
		Propos	ed Pool 1			<u></u>		Propos	ed Pool 2		
		Wildcat	Grayburg	<9	7444>	ı		Hume Qu			33560>
Work Ty	ype Code		Well Type	Code	Cable/	/Rotary	1	Lease Type Co	ode	Ground	d Level Elevation
Е	<u></u>		0		R			S	4177		4177
Mul	ltiple	,	Proposed D	Depth	Form	nation		Contractor		Spud Date	
Ye	es		4600'		Queen/G	3rayb <u>urg</u>			- 	6	5/30/2005
			P	roposec	d Casing an		Prog	gram			
Hole Si	ize	Casir	ing Size	Casi	ing weight/foot	Setting De	epth	Sacks c	of Cement	ıt	Estimated TOC
11 1/4		8.5	5/8"		28	305		250	60 sx		Circulated
7 7/8'		5 1	1/2"		17	4600'	<u>/</u>	750	0 sx		0
		<u> </u>				<u> </u>					
		· veder						<u> </u>			
zone. Describe	the blowout	it prevention i	program, if a	fany. Use addration propo	PEN or PLUG BAC diditional sheets if n poses to Re-enter tion, run 5 1/2" (necessary. er the formerly casing and cer armit Expire	y State Coment. P	C #1 now Sna Put well on pr ∀ear From	apper St roductio	State #6 to a	
						Date Oin	მგა ი 	Re-E	N-to	y 1	
I hereby certify of my knowledge		rmation giver	n above is tr	ue and comp	plete to the best	OI	L CO	NSERVA	TION	1 DIVIS	SION
Signature	and out.	$\mathcal{D}_{\mathbf{a}}$	W. 5	Charal	11	Approval by:					
Printed name:	\rightarrow	Jerry W. S		HUNK	Z T	Title:	27	ROLEUM E	NGINE	EER	
Title:		Production			A	Approval Date:	_PEI	HOLLO	Expintio	on Dstc	
Date:		Tions	Phone:		C	Conditions of Appr	PIRT ^{al} O	9 2005			
6	6/23/2005 (505)748-1288				.1288	Attached DION & 9 2003					

WELL LOCATION SURVEY PLAT

HORD'S OFFICE

OPERATOR Mack Energy Corporation LEASE Snapper State	1955 APR 221 PH
WELL NO 6 Wildcat Grayburg	
GR. EL. 4177	660

SEC.14 TWP. 16 S., RGE. 33 E., N.M.P.M.

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD BY ME AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John W West



WELL LOCATION SURVEY PLAT

HOPE'S OFFICE

	Mack Energy	2005 App		
LEASE Sna	pper State		555 APR 21 PM	
WELL NO	6	Hume Que	een West	
			T 7	660
	GR. EL.	4177		N

SEC.14 TWP. 16 S., RGE. 33 E., N.M.P.M.

I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD BY ME AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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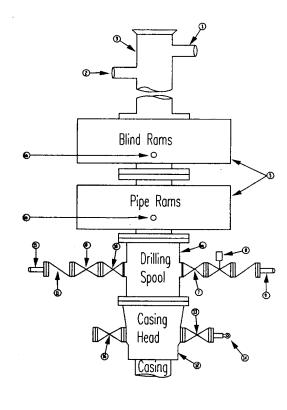
Mack Energy Corporation

Minimum Blowout Preventer Requirements

2000 psi Working Pressure 2 MWP EXHIBIT #1-A

Stack Requirements

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	1		
15	Kill line to rig mud pump manifold	 	2"	



\sim	PT	\mathbf{I}	N	A 1	г
	г.		1 1	-	

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.
- 8. 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 casing head and side valves.
- 2. Wear bushing. If required.

GENERAL NOTES:

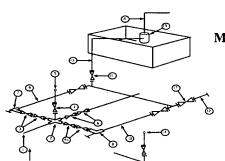
- Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
- All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure 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 handwheels 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.
- Do not use kill line for routine fill up operations.



Mack Energy Corporation

Exhibit #I-A
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

* Location of separator optional

Below Substructure

Mimimum requirements

			3,000 MWP			5,000 MW	P		10,000 MV	/ P
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" 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"	1	5,000	2"	1	10,000
3	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
3	Line		3"	1,000		3"	1,000	<u> </u>	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

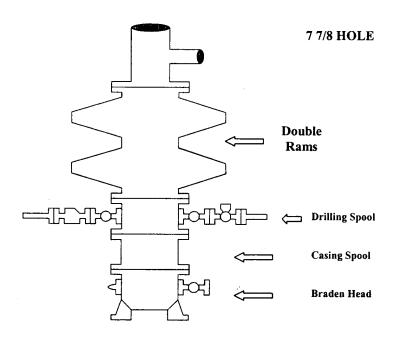
- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

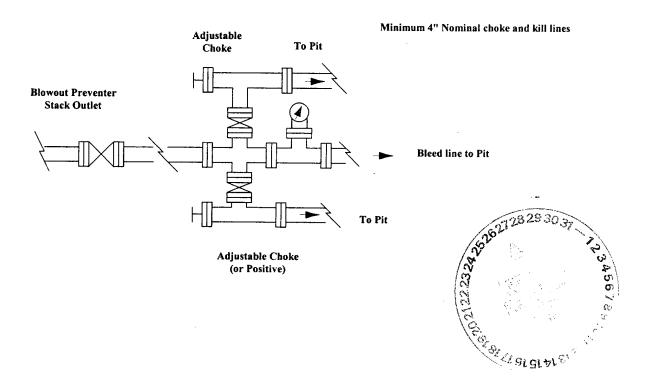
- 1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
- 2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
- 3. All lines shall be securely anchored.
- 4. Chokes shall be equipped with tungsten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

Mack Energy Corporation

Exhibit #1-A
BOPE Schematic



Choke Manifold Requirement (2000 psi WP) No Annular Required



Form C-144

District 1 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., 5 into Fc, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

March 12, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure
Is pit or below-grade tank covered by a "general plan"? Yes No

Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank

Operator: Mack Energy Corporation Telephone:	(505)748-1288 e-mail address: jerrys@mac	kenergycorp.com	
Address P.O. Box 960, Artesia, NM 88211-0960			
Facility or well name: Snapper State #6 API #. 30-025			
County: Lea Latitude Longitude	NAD: 1927 🗍 1983 🔲 Surface O	wner Federal 🔲 State 🄀 Private 🔲 Indian 🗍	
Pit	Helnw-grade tank	· · · · · · · · · · · · · · · · · · ·	
Type: Drilling Production Disposal	Volume:bbl Type of fluid:		
Workover Emergency	Construction material:	-	
Lined Unlined	Double-walled, with leak detection? Yes I If no	ot, explain why not,	
Liner type: Synthetic ☑ Thickness 12 mil Clay ☐ Volume 300 bbl			
bbl	<u> </u>		
Depth to ground water (vertical distance from bottom of pit to seasonal high	Less than 50 feet	(20 points)	
water elevation of ground water.)	50 feet or more, but less than I 00 feet	(10 points)	
	100 feet or more	(0 points) 0 Points	
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	
water source, or less than 10(0 feet from all other water sources.)	No	(Aminus)	
water sources, or least that roto feet from all other water sources.)		0 Points	
Distance to surface water; (horizontal distance to all wellands, playas,	Less than 200 feet	(20 points)	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)	
modern serious, enough and personned and optionicial waterconizes.)	1000 feet or more	(0 points) O Points	
		0 Points	
	Ranking Score (Total Points)	0 Points	
If this is a pit closure: (1) uttach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indica	te disposal locution;	
onsite O offsite I If offsite, name of facility	(3) Attach a general description of remedial acti	on taken including remediation start date and end	
date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth belo	w ground surfacefl. and attach sampl	e results. (5) Attach soil sample results and a	
diagram of sample locations and excavations,	·		
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines , a Date: 6/28/2005	my knowledge and belief. I further certify that the general permit 🗵, or an (attached) alternative Of	above-describril pit or helow-grade tank has CD-approved plan	
		m	
Printed Name/Title Jerry W. Sherrell/Production Clerk	Signature (Levy W. Shen	<u>all</u>	
Your certification and NMOCD approval ofthis application/closure does not re otherwise endanger public health or the environment. Nor does it relieve the o regulations.	elieve the operator of liability should the contents of perator of its responsibility for compliance with any	the pit or tank contaminute ground water or other federal, state, or local laws and/or	
Approval:			
Date: JUN 2 9 2005			
Printed Name/TitlePETROLEUM ENGINEER	Signature		