77/8 5 1/2 17 10,800 1500xx Burface - Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. Mack Energy Corporation proposes to Re-enter this well to a depth of 10,800', run 5 1/2 casing and cement to surface, put well on production. Note: Workover operations will require a workover pit. This pit will be 30'x12'x6' deep. Permit Expires 1 Year From Approval Date Unloss Defiling UnderWay Date Unloss Defiling UnderWay Reference OIL CONSERVATION DIVISION I. hereby certify that the information given above is true and complete to the best offiny knowledge and belief1 further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit , or an (attached) allegative OCD-approved plan. OIL CONSERVATION DIVISION Signature Jerry W. Sherrell Title: Production Clerk Approval Difference Printed name Jerry W. Sherrell Title: Approval Difference Expiration Date:	 <u>Distnet 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>Dstrict 11</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1 000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 					State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505					Form C-101 May 27,2004 Submit to appropriate District Office				
P.O. Box 960 Artesia, NM 88211-0960 30-025-23172 ^{AP)} Number Property Cate Wart State Will Ne Carca Upper Pennsylvanian 113.0 Workstate 11 5 148 34E 11 5 148 34E Lotter 11 5 148 34E Lotter Proposed Pool 2 11 5 148 34E Lotter East Lot 11 5 148 34E Lotter East Lot 11 5 148 34E Construction State Construction Construction 11 0 10.000 Pointervice State Construction Construction Construction 11 0.10 0.10 Pointervice State Construction Constructin Constructin Co	APP	LICAT	<u>UN FU</u>	Operator Nam	e and Addre	<u>KILL, KE-</u> ess	ENIE	<u>R, DE</u>	<u>EPEN</u>	<u>, PLUGBA(</u>					
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E-mail Address: jerrys@mackenergycorp.com	Title: Production Clerk							13	2006	minution D-		· · · · · · · · · · · · · · · · · · ·			
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NEW XICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT HUBBS OFFICE D. D. D.

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	All distances must be from t	the outer houndaries of	The Section.	Well No.
Mack Energy Corpo	ration HAY	"29 Mars Sta	te	1
Unit Letter Lestion	Township	Honge	County	
τ 5	14-S	34-E	Lea	
Actual Footage Location of Well;			Veet	
1980 ¹ teet from the	North line and	554 105	et from the East	Dedicated Acreage:
bround Level Flev. Producing For			Ponnevlvanian	160 Астов
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			Name Positio Date I he show	Agent Agent Ralph Lowe May 28, 1969 roby certify that the well location where on this plot was plotted from field
			unde is t know Date S Hegis	s of actual surveys made by me or it my supervision, and that the same rue and correct to the best of my vledge and belief. Surveyed May: 07 Night tered Picker Survey (1330) Cand Schemister (
0 350 660 'VC 1320 1650	1980 2310 2640 2000	0 1500 1000	500 0	1390 ALLER

Mack Energy Corporation Exhibit #1-A BOPE Schematic

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Choke Manifold Requirement (2000 psi WP) No Annular Required



Adjustable Choke (or Positive)

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		
15	Kill line to rig mud pump manifold		2"
	OPTIONAL	<u></u>	I



CONTRACTOR'S OPTION TO FURNISH:

Flanged Valve

16

- 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.
- 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:

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.
- 3. Controls to be of standard design and each marked, showing opening and closing position
- 4. 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.
- 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

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



* Location of separator optional

Below Substructure

				TATTUTU	ium requ	n ements				
			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		1	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

Mimimum requirements

(1) Only one required in Class 3M

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

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

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

- All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating. 1.
- 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.
- Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. 5. 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.
- Line from drilling spool to choke manifold should bee as straight as possible. Lines downstream from chokes shall make turns 6. by large bends or 90 degree bends using bull plugged tees.

Subtitit 3 Copies To Appropriate District	State of New			Form C-103			
Office District I	Energy, Minerals and			May 27, 2004			
District 1 1625 N. French Dr., Hobbs, NM 88240 District 11			WELL API NO. 30-025-23172				
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT		5. Indicate Type of Lease	3			
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St Santa Fe, N		STATE 🛛 FEE 🗌				
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM	Saina Pe, N	WI 07505	6. State Oil & Gas Lease	No.			
87505 SUNDRY NOT	ICES AND REPORTS ON W	FIIS	VB-933 7. Lease Name or Unit A	greement Name			
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC	SALS TO DRILL OR TO DEEPEN	OR PLUG BACK TO A	Mars State	greement ivanie			
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well 🔲 Other		8. Well Number 1				
2. Name of Operator			9. OGRID Number	2927			
3. Address of Operator	ergy Corporation		I 0. Pool name or Wildca	3837			
-	c 960 Artesia, NM 88211-09	60	Pennsylvanian				
4. Well Location							
Unit Letter \underline{H}	<u>1980</u> feet from the		feet from the	East line			
Section5	Township 14S		NMPM Count	ty <u>Lea</u>			
	I 1. Elevation (Show whethe	r DR, RKB, RT, GR, etc., 4150' GR)				
Pit or Below-grade Tank Application	r Closure						
Pit typeDepth Groundw	aterDistance from nearest	fresh water well Dis	tance from nearest surface water	r			
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bb1s; Co	nstruction Material				
12. Check A	Appropriate Box to Indica	ate Nature of Notice,	Report or Other Data				
NOTICE OF IN PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WOR	ILLING OPNS.				
OTHER: Change Name	<u> </u>			□			
 Describe proposed or comp of starting any proposed w or recompletion. 	oleted operations. (Clearly stat ork). SEE RULE 1103. For M	e all pertinent details, an Iultiple Completions: At	d give pertinent dates, inclu tach wellbore diagram of pr	ding estimated date oposed completion			
Mack Energy Corporation propose	es to change the name of this	well from the State G #	1 to the Mars State #1				
	is to thange the nume of this		T to the Mars State #1.				
	0. 013837						
OPER. OGHID N	0.1109						
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30-	025.23172			12			
APTNO:							
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			Leo.	\$0 ⁻ /			
			12345620				
I hereby certify that the information a	have is true and complete to the	hast of my line ula last					
grade tank has been/will be sonstructed or	closed according to NMOCD guide	lines , a general permit	or an (attached) alternative OC	at any pit or below- D-approved plan			
SIGNATURE Carry W.			DATE				
Type or print name Jerry W. Sherre	E-mai	address: jerrys@macker	nergycorp.com Telephon	No. (505)748-1288			
For State Use Only			I elephon	e INO. <u>(* * * /) * * 200</u>			
APPROVED BY:	Ulleann TITI	Æ	DATE	,			
Conditions of Approval (if any):	OC DISTR	LE ICT SUPERVISOR/GEI	VERAL MANAGER				

DEC 1 3 2006