

District I
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., Santa Fe, NM 87505

State of New Mexico
HOBBS OGD Energy Minerals and Natural Resources

Form C-101
May 27, 2004

APR 13 2012
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
		API Number 30-005-21175
Property Code 306346	Property Name Mia Michelle State	Well No 1
Proposed Pool 1 San Andres		Proposed Pool 2

7 Surface Location

UL or lot no A	Section 32	Township 15S	Range 30E	Lot Idn	Feet from the 467	North/South line North	Feet from the 1200	East/West line East	County Chaves
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8 Proposed 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
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Additional Well Information

Work Type Code PB	Well Type Code Oil	Cable/Rotary Rotary	Lease Type Code S	Ground Level Elevation 3963' GR
Multiple No	Proposed Depth 4461'	Formation San Andres	Contractor	Spud Date 8/3/2002
Depth to Groundwater 145'		Distance from nearest fresh water well 1000'		Distance from nearest surface water 1000'
Pit Liner Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/>		Pit Volume _____ bbls		
Closed-Loop System <input checked="" type="checkbox"/>		Drilling Method - Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>		

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2	13 3/8	48	411	240	Surface/In place
11	8 5/8	32	3015	934	Surface/In place
7 7/8	5 1/2	17	9028	1489	1540 by CBL

2 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

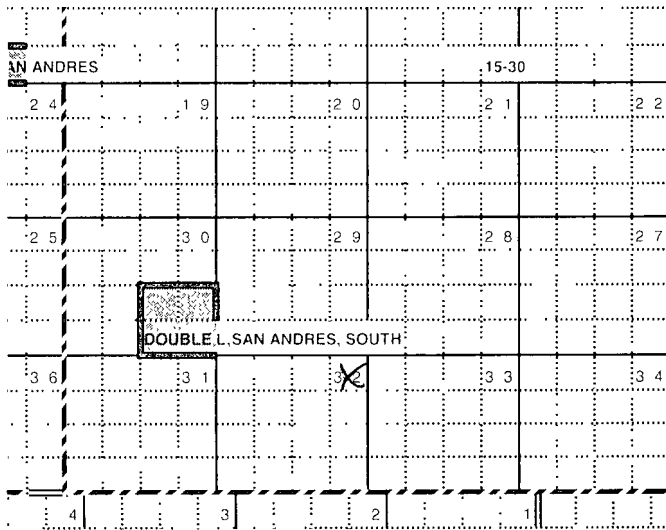
Mack Energy Corporation proposes to Plug-back to the San Andres and re-complete as follows:

1. Set CIBP @ 7825' w/35' cmt cap (Wolfcamp top)
2. Set CIBP @ 6385' w/35' cmt cap (Abo Top)
3. Set CIBP @ 4496' w/35' cmt cap (Glorieta Top)
4. Perf San Andres from 3635-3701'.
5. RIH and PPI/Ball job w/2500gals 15% HCl acid
6. Swab and evaluate well
7. Frac well
8. Put on production

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
plugback

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan. <input type="checkbox"/>		OIL CONSERVATION DIVISION	
Signature Jerry W. Sherrell		Approved by: 	
Printed name Jerry W. Sherrell		Title: PETROLEUM ENGINEER	
Title Production Clerk		Approval Date APR 18 2012	Expiration Date
E-mail Address jerrys@mec.com			
Date 4/12/12	Phone (575)748-1288	Conditions of Approval Attached <input type="checkbox"/>	

APR 18 2012



DISTRICT II
811 South First, Artesia, NM 88210

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

2040 South Pacheco
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-005-21175	Pool Code 19150	Pool Name Double L Wildcat San Andres South
Property Code 306346	Property Name MIA MICHELLE STATE	Well Number 1
OGRID No. 013837	Operator Name Mack Energy Corporation	Elevation 3963'

Surface Location

UL or lot No.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
A	32	15 S	30 E		467	NORTH	1200	EAST	CHAVES

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 40	Joint or Infill	Consolidation Code		Order No.					

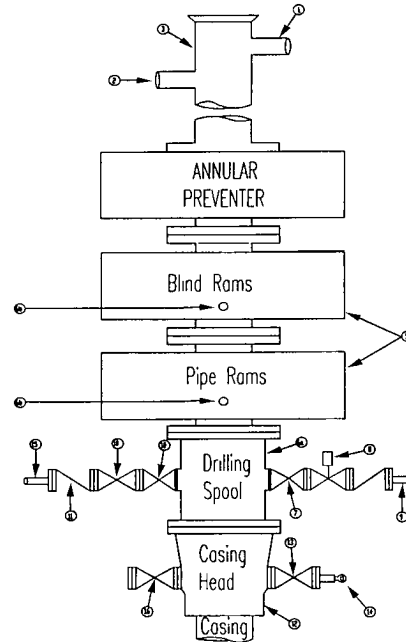
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>The diagram shows a rectangular area defined by dashed lines. The left boundary is labeled 3954.7' at the top and 3954.0' at the bottom. The right boundary is labeled 3958.9' at the top and 3952.7' at the bottom. A horizontal dimension of 1200' is shown between two points on the right boundary. A vertical dimension of 467' is shown between two points on the left boundary. Below the rectangle, the coordinates are given as LAT - N 32°58'41.9\"</p>	<h3 style="text-align: center;">OPERATOR CERTIFICATION</h3> <p><i>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <hr/> <p style="text-align: center;"><i>Jerry W. Sherrell</i> Signature</p> <hr/> <p style="text-align: center;">Jerry W. Sherrell Printed Name</p> <hr/> <p style="text-align: center;">Production Clerk Title</p> <hr/> <p style="text-align: center;">4-12-2012 Date</p>
<h3 style="text-align: center;">SURVEYOR CERTIFICATION</h3> <p><i>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 supervision and that the same is true and correct to the best of my belief.</i></p> <p style="text-align: center; font-weight: bold;">July 1, 2002</p> <p>Date Surveyed _____</p> <p>Signature & Seal of Professional Surveyor _____</p> <div style="text-align: center;"> </div> <p>Certificate No. 2593A 7977</p> <p style="text-align: center;">BASIN SURVEYS</p>	

Mack Energy Corporation
Minimum Blowout Preventer Requirements
3000 psi Working Pressure
13 3/8 inch- 3 MWP
11 Inch - 3 MWP
EXHIBIT #10

Stack Requirements

NO.	Items	Min I D	Min 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

16	Flanged Valve	1 13/16	
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CONTRACTOR'S OPTION TO FURNISH

1. All equipment and connections above bradenhead or casinghead Working pressure of preventers to be 2000 psi minimum
2. Automatic accumulator (80 gallons, 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.
5. 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

10.

ME

GENERAL NOTES

- 1 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 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
5. All valves to be equipped with hand-wheels or handles ready for immediate use
- 6 Choke lines must be suitably anchored
- 7 Handwheels and extensions to be connected and ready for use.
- 8 Valves adjacent to drilling spool to be kept open Use outside valves except for emergency.
- 9 All seamless steel control piping (2000 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. Does not use kill line for routine fill up operations

Mack Energy Corporation

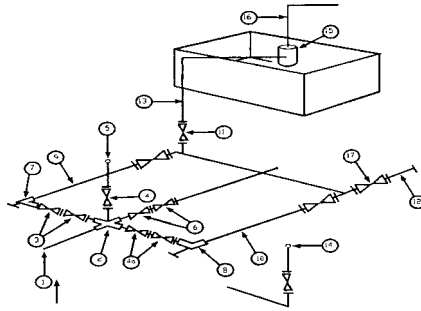
Exhibit #11

MINIMUM CHOKE MANIFOLD

3,000, 5,000, and 10,000 PSI Working Pressure

3M will be used

3 MWP - 5 MWP - 10 MWP



Mud Pit

Reserve Pit

* Location of separator optional

Below Substructure

Minimum requirements

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		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' x 5'			2' x 5'			2' x 5'	
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

- All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating
- All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX Use only BX for 10 MWP
- All lines shall be securely anchored.
- Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available
- 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 be as straight as possible Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees