District.1
1625 N. French Dr. Hobbs NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District.1
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District.1
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6174 Fax: (505) 334-6170
District.1
120 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

Date

State of New Mexico

Form C-101 Revised July 18, 2013

Oil Conservation Division

1220 South St. Francis Dr.JAN 15 2014

Santa Fe, NM 87505 MOCD ARTESIA

☐AMENDED REPORT

							Santa	i Fe, NM	8/2091	NOC	DAHI		A		
APPL	ICATIO	N FO		RMIT To			RE-EN	TER, DI	EEPEN	, PLU	JGBAC		OR AD		NE
	_		Opi	erator Name a	ana Ada	ress							OKID Null	1001	013837
Mack En	Mack Energy Corporation P.O. Box 960, Artesia, NM 88211-0960							API Number 30-015-21145							
Prop	erty Code	34	_	SWD		Pı	roperty Na	ame .				1	W	ell No.	
						Sur	face Lo	cation							
UL - Lot	1 1 1 1		Lot Idn Feet from		1		1	Feet From		E/W Line		County			
J	4	23S	27E	<u> </u>	Pı		1947 Bottom	Sout Hole Lo		1971		Ea	st	Eddy	
UL - Lot				Feet fro	$\overline{}$	N/S Line				E/W Line	(County			
		<u> </u>				Poo	l Inforn	nation							
G1112 2	FUS	•	 -	711	·	Pool N								G'2	73/73dg)
SWD; Dev	vonian, Mo	ontoya, S	Simpso	on, Ellenbu											1772
Wor	rk Type			Well Type	A	<u>dditiona</u>	l Well I Cable/Ro	nformatio	n T	Lease	Type	_	Gro	und Level Ele	evation
Re-Entry		SW	D			,	0.0000710	,	LeaseType Fee			3131'			
NO	ultiple	15,		posed Depth		Devonian Ellenburg		on , Simpson,	Simpson, Contractor Spud Date 2/1/2014			,			
Depth to Gro	Depth to Ground water Distance from nearest fresh water				esh water v	well Distance to nearest surface water									
We will I	be using a c	losed-lo	op syst				ng and (Cement Pi	ogram		<u> </u>				
Туре	Hole	e Size	Cas	sing Size	T	asing Weig		T	Setting Depth Sacks of			Cem	ent	Estimate	ed TOC
H-40	17 1/2	2	13 3/8		48			376'		40	00sx (exis	ting) 0		
J-55	12 1/4	1	9 5/8		43			5550'	50' 3140sx (exist			istin	g) 0		
S-95				26			12,234			350sx (exi	istin	g) 5:	381' Top o	f Liner	
							*	dditional							
Mack Ener	rgy Corpor	ation pr	opose	s to re-ente	r drill	a 6 1/8"	hole to	15,100', ru	n 5" casi	ng and	cement.	Put	well on i	njection.	
				Pı	opose	d Blow	out Pre	vention P	rogram						
	Туре			Working Pressure			Test Pressur		essure	ге		Ν	Manufacturer		
Double Ra	ım			3000				3000							
								T							
I hereby certify that the information given above is true and complete to the best of my knowledge and belief.			OIL CONSERVATION DIVISION												
I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC, if applicable. Signature:					Approved By: Rapard										
Printed nam	Printed name Deana Weaver						Title "Geologist"								
Title Prod	Title Production Clerk						Approved Date: 1-15-2014 Expiration Date: 1-15-2016								
E-mail Add	E-mail Address dweaver@mec.com														

Conditions of Approval Attached

Phone 575-748-1288

District I
1625 N. French Dr., Hobbs, NM 53240
Phone: (375) 393-6104. Eax. (575) 393-6720
District M
511 S. Fira St., Arresta, NM 33240
Phone: (575) 743-1283 Fax: (575) 743-9720
District M
1900 Rio Brazos Road, Azrec, NM 37440
Phone: (505) 234-6178 Fax: (505) 334-6170
District M
1220 S. St. Francis Dr., Santa Fe, NM 37565

Phone: (\$05) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

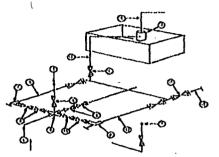
WELL LOCATION AND ACREAGE DEDICATION PLAT								
API Number	Chron Codes	Pool Name						
30-015-21145	97773	SWD-Devonian, Montoya, Simpso	on, Ellenburger					
Property Code	'Pı	* Well Number						
40334	O	OTIS SWD						
7 OGRID No.	* O ₁	perator Name	* Elevation					
13837	MACK ENER	3131.0						

Surface Location UL or lot no. Feet from the North/South line Township Range Lot Idn Section Feet from the East/West line County 27 E 1947 J 4 23 S SOUTH 1971 EAST **EDDY** "Bottom Hole Location If Different From Surface Lot Idn Feet from the North/South line UL or lot no. Section Township Range Feet from the East/West line County ¹² Dedicated Acres Joint or Jufill Consolidation Code Order No. 40

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.

N89*40'16	"E 2665.49 FT	N89'45'00"E 2661.1	B FI	"OPERATOR CERTIFICATION
NW CORNER SEC. 4	N/4 CORNER SEC. 4		CORNER SEC. 4	I hereby ceruly that the information contained beyon is true and complete
LAT. = 32.3412316'N LONG. = 104.2031926'W	LAT. = 32.3412644'N LONG. = 104.1945636'V		= 32.3412864'N = 104.1859491'W	to the best of one knowledge and belief, and that this organization either
NMSP EAST	NMSP EAST		NMSP EAST	awas a working interest or unleased mineral interest in the land including
N = 487880.31	N = 487895.57 E = 542857.80	1	N = 487907.15 E = 545518.30 C	the proposed bottom hole location or has a right to drill this well at this
E = 540193.01	2 342637.80	ļ	5-55710.55	for ation pursuant to a contract with an owner of such a mineral or working
] =	, I	1	. v	interest, or to a voluntary pooling agreement or a compulsory pooling
40	13.	111	. 260	
₹ L1	NOTE:			I I DOMA LIYEVULLY
659	LATITUDE AND LONGITUDE COORDINA SHOWN USING THE NORTH AMERICAL		[6]	Signature Date
	OF 1927 (NAD27), NEW MEXICO ST.	ATE.	500'58'50"W	1.10.14
	PLANE EAST COORDINATES ARE SHO NAD27 DATUM.	awa in	SOC	Deana Weaver
		Î		Printed Name
	1		CORNER SEC. 4	dweaver@mec.com
	1		= 32.3341283'N = 104.1861044'W	E-mail Address
W/4 CORNER_SEC. 4 SCALED	+	/	- MISP EAST	
Johnson	<i>'</i>	/ i	N = 485303.11 $E = 545473.92$	SURVEYOR CERTIFICATION
	OTIS SWD #1 ELEV. = 3131.0'	į į		Thereby certify that the well location shown on this
1 :	UNT. = 32.3321328'N (NAD27).	- /	ļ,-	plat was plotted from field notes of actual surveys
NOC.	LONG. = 104.1925283W	1971		made by me or under my supervision, and that the
	NMSP EAST (NAC 27) N = 484574,53	LOCATION	37.83	The state of the s
t	E = 543490.77	COCATION	263	same is trud and correct to the best of my belief.
K		Ann		NOVEMBER 25/2018 - (1)
2659	_	7	 	Date of Survey
9.5		4.7	85.	(A) \\""\"\J/\\\/\\\\%"\"\\J/\\\\\%!
-T)	S/4 CORNER SEC. 4	SE (CORNER SEC. 4	1 X KX 2 XX (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
H SW CORNER SEC. 4 LAT. = 32,326613679	LAT. = 32/3267464'N		32.32688011N 104.18626111W	Signature and Seat of the first soul Surveyor
LONG. = 104.2031549'W	LONG. = 104.1947093'W NMSP EAST	1	NMSP EAST	Certificate Number FILISIONED PARAMILLO, PLS 12797
MMSP EAST N = 482562.64	N = 482614.21		I = 482666.34 (E = 545429.14)	SURVEY NO. 2466
E = 540210.94	E = 542819.65 W 2609.86 FT	588'51'17"W 2610.66		31 60 61 19.2501
289,27,01	M Suna'00 L1			

Mack Energy Corporation
Exhibit #2
MIMIMUM CHOKE MANIFOLD
3,000, 5,000, and 10,000 PSI Working Pressure 3M will be used 3 MWP - 5 MWP - 10 MWP



Mud Plt

Reserve Pit

* Location of separator optional

Below Substructure

Minimum requirements

eximulan requirements										
3,000 MWP 5,000 MWP 10,000 MWP										
No.		1.1),		,	1.1).			1.D.	[
			Nominal	Rating		Nominal	Rating	į.	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	Vulvo Grio Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,00O
4	Valvo Clate Plug	13/16	·	3,000	1 13/16		5,000	1 13/16		10,000
4a	Vnlvcs (1)	2 1/16		3,000	2 1/16		5,000	2 1/16		10,000
5	Prossure Gauge			3,000			5,000			10,000
. 6	Valvo Gato 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	["		3,000	1"		5,000	2"		10,000
9	Line	,	3"	3,000		3"	5,000		3"	10,000
10	Lino		2"	3,000		2"	5,000		2"	10,000
11	Valvo Gate Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
, 12.	Line		3"	000,1		3''	000,1		3"	2,000
13	Lino		3"	1,000		3"	1,000		3"	2,000
(4	Remote reading compound Standpipe pressure cringe			3,000			5,000			10,000
13	Ons Separator		2' x5'			2' x5'			2' x5'	
16	Line		4"	000,1		4"	1,000		4"	2,000
17	Valve Gate Plag	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000

Only one required in Class 3M

Gate valves only shall be used for Class 10 M

(3) Remote operated hydraulic choic 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 acting.
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 tengsten embide 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 bee as studght as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees

Mack Energy Corporation

Minimum Blowout Preventer Requirements

3000 psi Working Pressure 13 3/8 Inch- 3 MWP 11 Inch - 3 MWP EXHIBIT #1

Stack Requirements

	Stuck Reduitance	1110	
NO.	ltems	Min. 1,D,	Min. Nominal
I	Flowline		2"
2	Fill up line		2"
3	Drilling uipple		
4	Aundar proventer		
5	Two single on one dual hydraulically operated rams		
GR	Drilling spool with 2" min. kill line and 3" min ohoke line outlets		2" Choke
6b	2" min. kill lime and 3" min. choke line outlets in man. (Alternate to 6s above)		
7	Valvo Gate Plug	3 1/8	
8	Onto valve-po wer operated	3 1/8	
9	Lino to choke manifold	\	3"
10	Valvo Onte Plug	2 1/16	
11	Check valvo	2 1/16	
12	Chalus licad		
13	Valve Onto Plug	1 13/16	
14	Pressure gauge with needle valve	1	
15	Kill the to rig mud pump manifold		2"

OPTIONAL							
Flanged Valve	1 13/16						

10.

CONTRACTOR'S OPTION TO CONTRACTOR'S OFFION TO FURNISH:

16

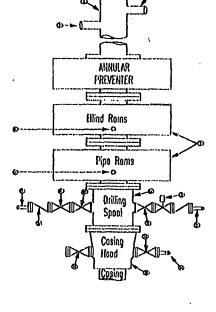
- All equipment and connections above bindenhead or onsinghead. Working pressure of preventors to be 2000 psi minimum.
- Automatic accumulator (80 gallons, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
- BOP controls, to be located near 3. dillers' position. Kelly equipped with Kelly cock.
- 4.
- 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 rabber 6. ensing protector at a 11 times.
- Plug type blowout preventer tester.
- Extra set pipe mms to fit drill pipe in use on location at all times.
- Type RX ring gaskets in place of Type R.

MEC TO FURNIS H:

- 1. Bindenhend or ensing head and side valves.
- Wear bushing. If required.

ME 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 brimb blessing unit connections acceptable) and have minimum working pressure equal to inted 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 humper or delay changing of choke beans.



- Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wronohes 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 auchored,
- ĩ. 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 (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.
- Does not use kill line for routine fill up operations.