District 1
1625 N. French Dr. Hobbs NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6174 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

#### State of New Mexico

Form C-101 Revised July 18, 2013

Energy Minerals and Natural Resources SERVATION
Oil Conservation Division ARTESIA DISTRICT

☐AMENDED REPORT

1220 South St. Francis Dr. DEC 0 3 2014

Santa Fe, NM 87505

CETTED

					RECEIVED								
APPI	ICATIO	N FOI	R PE	RMIT TO	O DRIL	L, RE-EN	ITER, D	EEPEN	I, PLUG	BACK,	OR AD	D A ZONE	
			Орс	erator ivanie a	ma Address	•				,	JONED Nuii	0138	
Mack Energy Corporation P.O. Box 960, Artesia, NM 88211-0960								•	30	)-015	API Numb	924	
313 943 Spoon SWD Property N							lame			ı	W	ell No.	
<del>, , , , , , , , , , , , , , , , , , , </del>						Surface Lo	ocation			<u> </u>			
UL - Lot	Section 32	Townshi	27E	Range	Lot Idn	1980	Sou		Feet Fi 660		E/W Line ast	County Eddy	
					Prop	osed Botton	n Hole Lo	cation				·	
UL - Lot	Section	Townshi	P	Range	Lot Ide	n Feet fi	rom	N/S Line	Feet Fi	rom	E/W Line	County	
					<u> </u>	Pool Infor	mation						
WD; Be	ll Canyon,	Cherry (	Canyo	n '		Pool Name					·	Pool Code 96802	
_					Addi	itional Well		on_					
	ork Type	SW		Well Type		Cable/R	otary	Fee	LeaseTyp	easeType		Ground Level Elevation 152.3'	
New SWD  Multiple Propose NO 4100'			posed Depth				Contracto			Spud Date			
Depth to Ground water Distance from nearest fresh water													
We will	be using a	closed-loc	p syste										
				P1	roposed (	Casing and	Cement P	rogram	<del>-  </del>		<del></del>		
Туре	Type Hole Size Casi		sing Size	Casing Weight/ft		Setting Depth		S	Sacks of Cement		Estimated TOC		
.55	12 1/-	4	8 5/8"	_	32		800'		510sx	510sx			
80 7 7/8 5 1/2		5 1/2"		17 4,100		<u></u>	725sx		0				
				Casin	l 1g/Cemen	t Program:	<u>l</u> Additional	Comme	ents			<del></del>	
	1/4" hole to	800', run	8 5/8" (			rill a 7 7/8" ho				l cement. I	Put well on	injection	
	···			Pı	roposed	Blowout Pre	evention P	rogram					
	Туре				Vorking Pre		·		ressure			Aanufacturer	
ouble R				3000			3000			<del></del>			
zλ											<del></del>		
pest of my	ertify that the	nd belief.	-			·		OI	L CONSE	ERVATI	ON DIVI	SION	
Curther certify that I have complied with 19.15.14.9 (A) NMAC and/or IP.15.14.9 (B) NMAC, if applicable.						Approved By: Resolution							
Printed na	me Deana '	Weaver					Title Dr.S. A. Supervis N						
Title Pro	duction Cle	erk					Approved Date: 12/4/2014 Expiration Date: 12/4/2016						
∃-mail Ad	dress dwear	ver@me	c.com			· · · · · · · · · · · · · · · · · · ·	<u> </u>						
Date (	Phone 575-748-1288						Conditions	s of Approv	al Attached	2	* *	/ d s	

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# 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

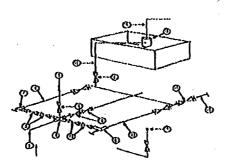
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	SPO O MACK ENER	SWD; Bell Canyon roperty Name OON SWD perator Name GY CORPORATION face Location	n – Cherry Car	Well Number  1  Plevation 3152.3
313993  TOGRID No. 13837  UL or lot no.   Section   Township   Ra	SPO **O MACK ENER ** Sur	OON SWD perator Name GY CORPORATION face Location		f 9 Elevation
UL or lot no. Section Township Ra	MACK ENER	grator Name  GY CORPORATION  face Location		
UL or lot no. Section Township Ra	MACK ENER	GY CORPORATION face Location		
UL or lot no. Section Township Ra	" Sur	face Location		3152.3
UL or lot no. Section Township Ra				
	ange Lot Idn Feet from	<del></del>		
i 32 22 S 27		n the North/South line Fe	eet from the East/We	est line County
<del></del>	7 E   198	0 SOUTH	660 EAS	ST EDDY
	" Bottom Hole Loca	ation If Different From	Surface	
UL or lot no. Section Township Ra	ange Lot Idn Feet from	n the North/South line Fe	eet from the Eust/We	est line County
Dedicated Acres 13 Joint or Infill 14 Consoli	lidation Code 15 Order No.			

	N89'51'39"E	2645.41 FT	N89'51'39	9 E 2645.41 FT		"OPERATOR CERTIFICATION
	NW CORNER SEC. 32	DA	NF .	NE CORNER SEC. 32		I hereby certify that the information contained herein is true and complete
	LAT. = 32.3562192'N LONG. = 104.2201666'W	!	i ▶	LAT. = 32.3562379'N LONG. = 104.2030362'W	.	to the best of my knowledge and belief, and that this organization either
	NMSP EAST (FT) N = 493342.81	1		NMSP EAST (FT)		owns a working interest or unleased mineral interest in the land including
	E = 576281.54			N = 493355.65 E = 581571.12		the proposed hottom hole location or has a right to drill this well at this
NO2:	•	i .			S02:02	location pursuant to a contract with an owner of such a mineral or working Interest, or to a voluntary pooling agreement or a compulsory pooling
N02'28'53		!				Truer heretofore entered by the division.
3"E 2723.35		NOTE: TATITUDE AND LONGITUDE OO ARE SHOWN USING THE NORT AMERICAN DATUM OF 1983 (I LISTED NEW MEXICO STATE IPI	TH	-   -   -   -   -   -   -   -   -   -	₹	Sung Weaver 12.2.14
5	ļ	COORDINATES ARE GRID (NAD OF BEARING AND DISTANCES	183). BASIS			Deana Weaver
	1	NEW MEXICO STATE PLANE EA COORDINATES MODIFIED TO TH	AST		, I	Printed Name
	ł ;	SURFACE.	ni.	E/4 CORNER SEC. 32 LAT. = 32,3487550'N		dweaver@mec.com
	,			LONG. = 104,2033602'W NMSP EAST (FT)		E-mail Address
	W/4 CORNER SEC. 32			N = 490633.33		
	AT. = 32.3487422'N LONG. = 104.2205576'W	i I		E = 581474.39		*SURVEYOR CERTIFICATION
	NMSP EAST (FT) N = 490622.65	1				I hereby certify that the well location shown on this
	E = 576163.66		N SWD 1			plat was plotted from field notes of actual surveys
2.	!	ELEV! = LAT. = 32.3467747'N	= 3152.3' ' (NAD83)	660'-	- 1	
NO2"18"53"E	1	LONG. = 104.20		080,080 S		made by me or under my supervision and that the
8.53	;	N = 48	89912.09 LOCATIO	, og \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		same is true and correct to the best of my belief.
m*	·	E = 58	80787.39			NOVEMBER 18, 2014
2722.73 FT				2698.33 F		Date of Survey
S	V CORNER SEC. 32	S/4 CORNER SE			/	- All Mary Mary Mary Mary Mary Mary Mary Mary
	T. = 32.3412660'N DNG. = 104.2209229'W	LAT. = 32.5412 LONG. = 104.212			_	Signature and Seal of Professional Supervor
	ASP EAST (FT)	nmsp eåst (i	(FT) NMSP	EAST (FT) 487939.47		Certificate Number: FILAMONT: JARAMILLO, PLS 12797
	= 487902.78 = .576053.72	N = 487907. E = 578715.		581374.86		SURVEY NO. 3518
,	S89'54'24"W 26	62.58 FT	389'18'10"W	2660.00 FT		

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



Mud Pit

Reserve Pl

\* Location of separator optional

**Below Substructure** 

			V	Aimimuu	i require	nents				
		3,0	DD MWP	nd * transition to F b t make.		000 MWP		10	0,000 MWP	
No.		1.0.			1.1),	-		1.1).		,
			Nominal	Rating		Nominal	Rating		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	Valvo Onto Plug	3 1/8		3,000	3 1/8		5,000	3 1/8		10,000
4	Valvo Cinto Plug	13/16		3,000	1 13/16		5,000	1 13/16		10,000
4a	Valvos (1)	2 1/16		3,000	2 1/16		5,000	2 1/16		10,000
5	Prossure Gruge			3,000			5,000			(10,000)
6.	Valve Ciato 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 Clicke	1"		3,000	1"		5,000	20	***************************************	10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Lino		2"	3,000		3"	5,000		2"	10,000
it	Valve Cate 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 change			3,000			5,000			10,000
15	One Separator		2' x5'			2' x5'		• • • • • • • • • • • • • • • • • • • •	2' κ5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valve Ciate Plug	3 1/8		3,000	3 1/8		5,000	31.8		10,000

Only one required in Class 3M

Cinte valves ently shall be used for Class 10 M Remote operated hydraulle choke required on 5,000 psi and 10,000 psi for driffing.

#### EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

All connections in choice manifold shall be welded, studded, flanged or Cameron chanp of comparable miting. 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 seemely anchored.

- Chokes shall be equipped with tangsten outbide seats and accelles, 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 drill fing spool to choke munifold should bee as straight as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees

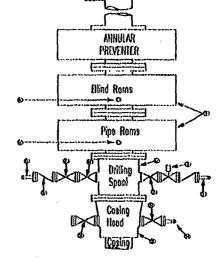
# Mack Energy Corporation

### Minimum Blowout Preventer Requirements

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

Stack Requirements

	Stack Redaments	1118	
NO.	Items	Min.	Miu.
		1,D,	Nominal
1	Plowline		2"
2	1411 up Une		2"
3	Drilling ulppie		
4	Annular proventor	l	
5	Two single or one dual hydrautically operated rams		
GR	Dilling spool with 2" min, kill line and 3"		2"
	min choke if no outlets	ļ	Choko
Gb	2" min. kill time and 3" min. choke line outlets in mm. (Alternate to 6s above)		
7	Valvo Cinto	3 1/8	
	Plug	- <del></del>	
8	Cinto valvo-po wer operated	3 1/8	<u> </u>
9	Line to choke manifold		3"
10	Valvo   Onto   Plug	2 1/16	
71	Chook valvo	21/16	
12	Casing head		
13	Valvo Cinto	1 13/16	
l	Plag		]
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"
L	والم المحمود الوالدة والمساورة والمحاود والموسود والموسود والموسود والموسود والموسود والموسود الروايية والإراكي		



OPTIONAL

16 Planged Valve [113/16]

# CONTRACTOR'S OPTION TO CONTRACTOR'S OPTION TO FURNISH:

- All equipment and connections above bindedicad or obstrighted. Working pressure of proventors to be 2000 pst intuluum.
- 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 drillers' position.
- 4. Kelly equipped with Kelly cock.
- Inside blowout proventer or its equivalent on derries thou at all times with proper threads to fit pipe being used.
- 6. Kelly saver-sub-equipped with rubber oasing protector at all times.
- 7. Plug type blowout preventer tester.
- 8. 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. Budenhead or casing head and side valves.
- 2. Wear bushing. If required.

## ME OENERAL NOTES:

- 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 (sultable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and sultable 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 beams.

Replaceable parts for adjustable choke, or bean sizes, retainers, and choke wronelies to be conveniently located for immediate use.

- 5. All valves to be equipped with hund-whools or hundles leady for immediate rise.
- 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 sentuless steel control
  piping (2000 psi working
  pressure) to have flexible
  joints to avoid stress. Hores
  will be permitted.
- Cosinghead connections shall not be used except in case of emergency.
- 11. Does not use kill line for routine fill up operations.

# **Permit Conditions of Approval**

API:

30-015-42824

OCD Reviewer	Condition
CSHAPARD	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Must have approved C-108, MIT, and all regulatory requirements in place prior to injecting

AD ade