District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia. NM 88210
District III
1 000 Rio Brazos Road, Aztec, NM 87410

1220 S St Francis Dr , Santa Fe, NM 87505

District IV

State of New Mexico
Energy Minerals and Natural Resources

FEB 1 0 2009

Form C-101

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



Submit to appropriate District Office

☐ AMENDED REPORT

_ APPL	ICATI	ON F	OR	PERMIT	TO DE	ULL,	RE-E	NTER	R. DE	EPEN,	PLUGB	ACK.	OR.	ADD	A ZONE	
				Operator Name	and Addres	ss J						'O	GRID I	Number	√ ₀₁₃₈₃₇	
		P.0		Mack Energ x 960 Arte	• •		-0960				30-00	5-	API N	umber 6	<u> </u>	
3 Proper	rty Code						Property		_					6 Well		
376	72			10.11		Ro	ound T	ank SW	D						1	
				oposed Pool I D;Devoniar	1						I	Proposed	Pool 2			
						7 Su	ırface	Locati	on							
UL or lot no	Section	Towns	nip	Range	Lot I		Feet fro			outh line	Feet from the	; I	East(Wes	t line	County	\neg
K	19	158	3]	29E	<u> </u>		198	30	So	uth	1980		Wes	st	Chaves	\Box
				8 Propo	sed Botto	om Hol	e Locat	ion If D	ifferen	t From S	urface	·				
UL or lot no	Section	Townsl	nip	Range	Lot I	dn	Feet fro	om the	North/S	outh line	Feet from the	: F	EastfWes	t line	County	
					Ad	dition	al We	ll Info	rmatio	on			-			
	ype Code			12 Well Type Co			" Cable	/Rotary			Lease Type Cod	,	J	15 Groun	d Level Elevation	\neg
<u> </u>	iltiple			" Proposed Dep	th.		Rot				S ·		+		3735' Spud Date .	\dashv
N	lo			11,500			Devo	nation onian			Contractor			2	2/20/09	
Depth to Groun	ndwater 65	5'			Distance	from ne	arest fresl	h water we	^{:11} 1000)'	Distance	from nea	arest sui	rface wate	er 1000'	
Pit Liner	Synthetic		_mils	thick Clay	Pit Volu	ıme	bbls		Drdlıı	ng Method						
Closed	-Loop Syst	em 🛛	Į.						Fresh V	Vater 🛛 I	Brine Die	sel/Oil-ba	ased	Gas/Ai	r 🔲	
				21	Propos	ed Ca	sing a	nd Cer	nent	Progran	n					
Hole Si	ze		Casını	g Size	Casing	weight/	foot	Se	tting De	epth	Sacks	of Cemer	nt	F	Estimated TOC	
17 1/2		13 3/8			48			450			450sx			Surfac	e	
12 1/4		8 5/8			32			1800			800sx			Surfac	e	\Box
7 7/8		5 1/2			17			11,500			2500sx			Surfac	e	_
																\dashv
» Describe the	proposed r	rogram.	If this	application is	to DEEPEN	V or PLU	IG BACK	give the	data or	the preser	t productive:	zone and	nropos	sed new r	productive zone	
															8 5/8 casing a	.nd
cement. Drill	a 7 7/8 1	nole to	11,5	00', run 5 1/	2 casing	and ce	ment.			,						
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Printed name		<i></i>	Je	erry W. She	rrell			Title		Distric	4 11	G	عامه	10/1 ST		•
Title			Prod	uction Clerl	ζ	7		Approva	al Date	3/10	109	1		ate 3		
E-mail Address	S	je	rrys@	mackenerg	ycorp.co	m										
Date.	2/10/0)9		Phone	(575)74	18-128	8	Conditio	ns of A	proval Att	ached 🔀 🖁	عو	a	born	Ø	

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II

DISTRICT IV

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

Elevation

3735

1301 W. GRAND AVENUE, ARTESIA, NM 88210 DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. ST. FRANCIS DR., SANTA FR. NM 87505

Property Code

OGRID No.

013837

7618

API Number 50-005-64099 OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Pool Code

961010

WELL LOCATION AND ACREAGE DEDICATION PLAT

JIN	AND	ACREAGE	DEDICATION PLA	1	□ AM	ENDED RE	EPORT
le	/		Pool 1	lame	/		
l0	€		SWD; Devon:	ian "			
	Pro	perty Name			Wel	l Number	
RO	DUND	TANK SW	'D		ļ	1	

MACK ENERGY CORPORATION Surface Location

Operator Name

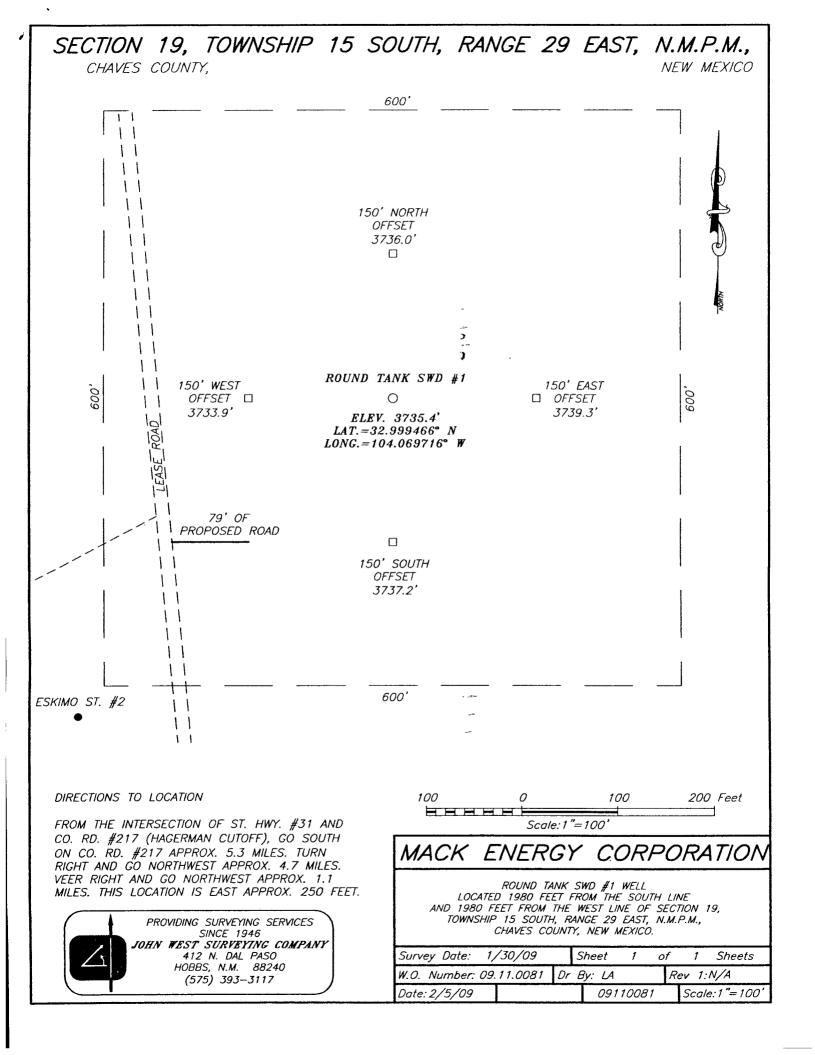
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	19	15-S	29-E		1980	SOUTH	1980	WEST	CHAVES

Bottom Hole Location If Different From Surface

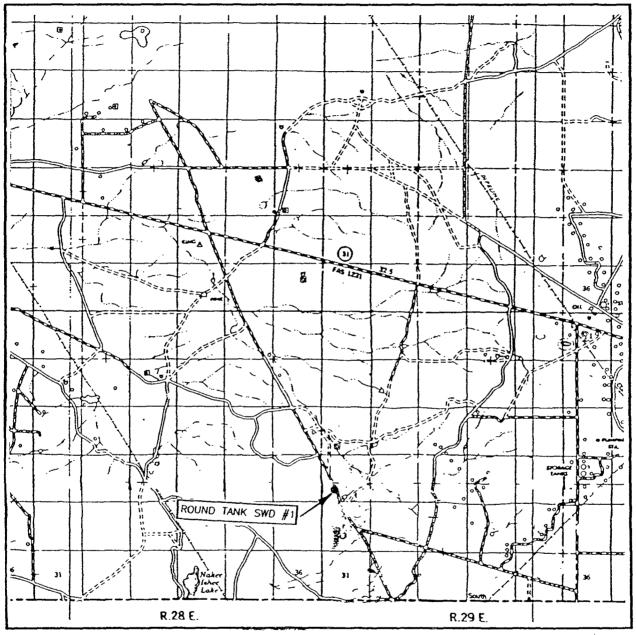
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ļ									
Dedicated Acres	Joint o	r Infili C	onsolidation	Code Or	der No.				
40									

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

<u>, , , , , , , , , , , , , , , , , , , </u>		
1980'	GEODETIC COORDINATES NAD 27 NME Y=727419.8 N X=580821.2 E LAT.=32.999466* N LONG.=104.069716* W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. 2/10/09 Signature Date SURVEYOR CERTIFICATION 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. AMUARY 30, 2009 Date Surveyed: A Signature & Seal of Professional Surveyor
-	LONG. = 104.069716* W	Signature & Seal of



VICINITY MAP



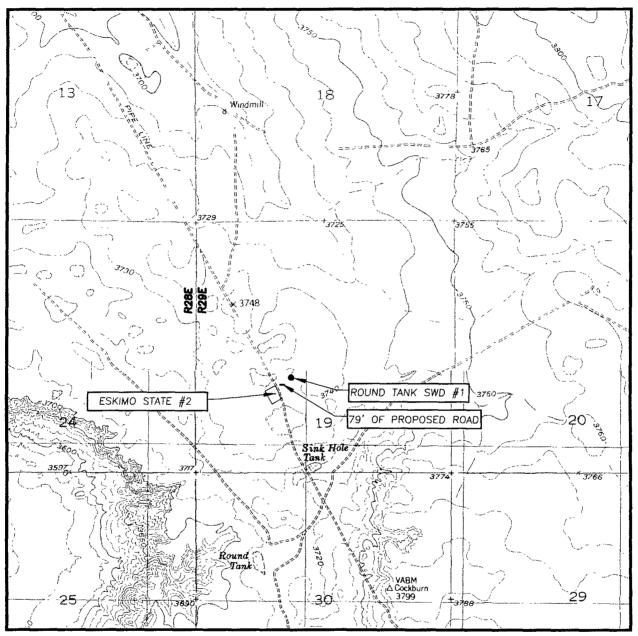
SCALE: 1" = 2 MILES

SEC. 19 1	WP. 15-5 RGE. 29-E
SURVEY	N.M.P.M.
COUNTY_CH	AVES STATE NEW MEXICO
DESCRIPTION	1 1980' FSL & 1980' FWL
ELEVATION_	3735'
OPERATOR	MACK ENERGY CORPORATION
1 FASE	ROLIND TANK SWD



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

SEC. 19 TWP. 15-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 3735'

MACK ENERGY
CORPORATION

LEASE ROUND TANK SWD
U.S.G.S. TOPOGRAPHIC MAP

BASIN WELL, N.M.

CONTOUR INTERVAL: 10' KING CAMP, N.M. BASIN WELL, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M 88240
(575) 393-3117



Mack Energy Corporation

Minimum Blowout Preventer Requirements

3000 psi Working Pressure 3 MWP EXHIBIT #1-A

Stack Requirements

	Stack Requireme		
NO	Items	Mın.	Mın
		ID	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	Kıll line to rig mud pump manifold		2"

OPTIONAL

16	Flanged Valve	1 13/16	1
			J

CONTRACTOR'S OPTION TO FURNISH

- All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 3000 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.
- 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
- Wear bushing If required

GENERAL 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 (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
- 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

- ANNULAR
 PREVENTER

 Blind Rams

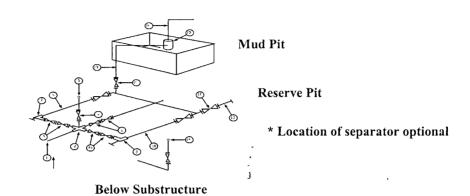
 Pipe Rams

 Drilling
 Spool

 Casing
 Head
 Casing
 - 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 (3000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
 Casinghead connections shall not be
 - 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 Exhibit #1-A

Exhibit #1-A
MIMIMUM CHOKE MANIFOLD
3,000, 5,000, and 10,000 PSI Working Pressure
3 M will be used or greater
3 MWP - 5 MWP - 10 MWP



Mimimum requirements

			3,000 MWP			5,000 MW	P		10,000 MWI	P
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' 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

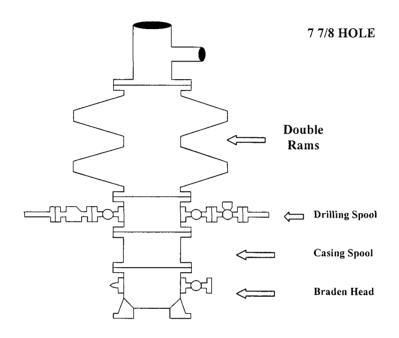
- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling

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
- 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 (3000 psi WP) No Annular Required

