District I 1825 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 Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-101 August 1, 2011

Permit 183290

	APPLICATION FOR PERMIT TO	DRILL, RE-ENTER,	, DEEPEN, PLUGBACK	OR ADD A ZONE
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		APPLICA	ATION FOR	R PERMI	T TO DRILL, RE	E-ENTER, DEEPE	EN, PLUGBAC	K, OR ADD A Z	ONE		
Operator Nam MAC	e and Address K ENERGY CORP				351.75	888		2. 00	RID Number 13837		
	lox 960 ia, NM 88211							3. AF	Number 30-015-4221	1	
4. Property Code 5. Property Name 6. Well No. 40469 Cosmic Fee 001											
7. Surface Location											
UL - Lot	Section 25	Township 2	3S Ra	nge 27E	Lot Idn	Feet From 370	N/S Line S	Feet From 990	E/W Line	County	Eddy

				8. Proposed Bo	ttom Hole Location				
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
Р	25	238	27F	P	370	S	990	F	Eddy

9. Pool Information

CASS DRAW;BONE SPRING	10380

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3114	
18. Multiple N	17. Proposed Depth 9400	18. Formation Bone Spring			
Depth to Ground water		Distance from nearest fresh water w	vell	Distance to nearest surface water	

☑ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	470	0
Int1	12.25	9.625	36	2100	725	0
Prod	8.75	7	26	9400	1120	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2" hole to 400', run 13 3/8" casing and cement. Drill a 12 1/4" hole to 2100', run a 9 5/8" casing and cement. Drill a 8 3/4" hole to 9400', run a 7" casing and cement. Put well on production.

22. Proposed Blowout Prevention Program

Double Part 2000 2000	Туре	Working Pressure	Test Pressure	Manufacturer
Bouble Raili 5000	Double Ram	3000	3000	

knowledge and b	elief.	ove is true and complete to the best of my 9 (A) NMAC and/or 19.15.14.9 (B) NMAC		OIL CONSE	ERVATION DIVISION
Printed Name:	Electronically filed by Jerry	Sherrell	Approved By:	Randy Dade	
Title:	Production Clerk	Title:	District Supervisor		
Email Address:	jerrys@mec.com	23 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Approved Date:	3/20/2014	Expiration Date: 3/20/2016
Date:	3/19/2014	Phone: 505-748-1288	Conditions of Ap	proval Attached	•

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District IV

1. API Number

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

2. Pool Code

State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Form C-102 August 1, 2011

Permit 183290

WELL LOCATION AND ACREAGE DEDICATION PLAT

3. Pool Name

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,

30-01	15-42211		103	30			CAS	SS DRAW;BONE SP	RING	
4. Property Code 4046			5. Property Nan Cos	ne mic Fee			6. Well No. 001			
7. OGRID No. 1383	7		8. Operator Nar MAC	ne K ENERGY (CORP		9. Elevation 311	4		
	500	20	(2-1)		10. St	urface Location				100127 18 18 18 18
UL - Lot	Section 25	Township 23	S Range	27E	Lot Idn	Feet From 370	N/S Line S	Feet From 990	E/W Line	County Eddy
				11. Bott	tom Hole Loc	ation If Different Fro	m Surface			
UL - Lot	Section	Township	Rang	•	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Ad 40.00		1	13. Jo	oint or Infill		14. Consolidatio	n Code	<i>a</i>	15. Order No.	I -
NO ALLOWAB	LE WILL BE ASS	IGNED TO THIS	COMPLETION	UNTIL ALL I	NTERESTS H	AVE BEEN CONSOLI	DATED OR A NO	N-STANDARD UNIT	HAS BEEN APPRO	OVED BY THE DIVISION
				organization a right to dri agreement o	either owns a ill this well at th or a compulsory p	is location pursuant to a pooling order heretofore	eased mineral intere a contract with an c	ete to the best of my kn st in the land including owner of such a mineral	the proposed botton	and that this m hole location(s) or has or to a voluntary pooling
				E-Signed By		y Sherrell				
	-			Title:		duction Clerk				
				Date:	3/19	9/2014				

and that the same is true and correct to the best of my belief. Filimon Jaramillo

3/7/2014

12797

Surveyed By:

Date of Survey: Certificate Number:

Form APD Comments

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State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Permit 183290

PERMIT COMMENTS

Operator Name and Address:	API Number:
MACK ENERGY CORP [13837]	30-015-42211
PO Box 960	Well:
Artesia, NM 88211	Cosmic Fee #001

Created By	Comment	Comment Date
DWEAVER	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/19/2014
CSHAPARD	Land p/P	3/20/2014

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State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Permit 183290

Form APD Conditions

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MACK ENERGY CORP [13837]	30-015-42211
PO Box 960	Well:
Artesia, NM 88211	Cosmic Fee #001

OCD	Condition
Reviewer	
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