

District I
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 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

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

1. Operator Name and Address MACK ENERGY CORP PO Box 960 Artesia, NM 88211		2. OGRID Number 13837
4. Property Code 313183		3. API Number 30-015-42355
5. Property Name Old Cavern Fee		6. Well No. 001

7. Surface Location

UL - Lot K	Section 32	Township 22S	Range 27E	Lot Idn	Feet From 1650	N/S Line S	Feet From 2160	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot K	Section 32	Township 22S	Range 27E	Lot Idn K	Feet From 1675	N/S Line S	Feet From 2285	E/W Line W	County Eddy
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9. Pool Information

CASS DRAW;BONE SPRING	10380
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3165
16. Multiple N	17. Proposed Depth 9250	18. Formation Bone Spring	19. Contractor	20. Spud Date 5/7/2014
Depth to Ground water		Distance from nearest fresh water well		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	8000	1120	0
Prod	8.75	7	26	9250	0	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 9 5/8" casing and cement. Drill a 8 3/4" hole to 9250', run 7" casing L-80 from 0-8000' and HCP-110 from 8000-9250' and cement with 1120sx. Put well on production.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC , if applicable.

OIL CONSERVATION DIVISION

Signature:		Approved By: <i>R.L. Dade</i>	
Printed Name: Electronically filed by Jerry Sherrell		Title: <i>DIST E SUPERVISOR</i>	
Title: Production Clerk		Approved Date: <i>5-1-2014</i>	Expiration Date:
Email Address: jerrys@mec.com		Conditions of Approval Attached	
Date: 4/30/2014	Phone: 505-748-1288		

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 Energy, Minerals and Natural
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 Oil Conservation Division
 1220 S. St Francis Dr.
 Santa Fe, NM 87505**

Form C-102
 August 1, 2011
 Permit 185445

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-42355	2. Pool Code 10380	3. Pool Name CASS DRAW;BONE SPRING
4. Property Code 313183	5. Property Name Old Cavern Fee	6. Well No. 001
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3165

10. Surface Location

UL - Lot K	Section 32	Township 22S	Range 27E	Lot Idn	Feet From 1650	N/S Line S	Feet From 2160	E/W Line W	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill		14. Consolidation Code			15. 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

	OPERATOR CERTIFICATION	
	<i>I hereby certify that the information contained 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(s) or has a right to drill this well at this 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 order heretofore entered by the division.</i>	
	E-Signed By:	Jerry Sherrell
	Title:	Production Clerk
Date:	4/30/2014	
	SURVEYOR CERTIFICATION	
<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>		
Surveyed By:	Filimon Jaramillo	
Date of Survey:	4/16/2014	
Certificate Number:	12797	

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Form APD Conditions

Permit 185445

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] PO Box 960 Artesia, NM 88211	API Number: 30-015-42355
	Well: Old Cavern Fee #001

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