

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

HOBBS OCD

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

Submit to appropriate District Office

☐ AMENDED REPORT

FEB 15 2013

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

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
		API Number 30- 025-40652
Property Code 39380	Property Name Utah State	Well No. 1
Proposed Pool 1 Arkansas Junction; San Andres		Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	18S	36E		2310	South	2310	West	Lea

8 Proposed 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

Additional Well Information

11 Work Type Code P	12 Well Type Code O	" Cable/Rotary Rotary	14 Lease Type Code S	15 Ground Level Elevation 3769' GR
16 Multiple No	" Proposed Depth 6300'	" Formation San Andres	19 Contractor	20 Spud Date 12/20/2012
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/>		Pit Volume: _____bbls		Drilling Method - Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>
Closed-Loop System <input checked="" type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24	1618	1103sx	Surface-In place
7 7/8	5 1/2	17	9319	2050sx	Surface-In place

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack Energy corporation proposes to set a CIBP @ + or - 6300', current perms 6380-8416'. Perforate the San Andres from 4880-5290' test the San Andres formation. Put well on production.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan. <input type="checkbox"/>		OIL CONSERVATION DIVISION	
Signature <i>Jerry W. Sherrell</i>		Approved by: <i>[Signature]</i>	
Printed name: Jerry W. Sherrell		Title: Petroleum Engineer	
Title: Production Clerk		Approval Date: 02-19-13 Expiration Date: 02/19/15	
E-mail Address: jerrys@mec.com			
Date: 2/13/13	Phone: (575)748-1288	Conditions of Approval Attached <input type="checkbox"/>	

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
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District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6179
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 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

¹ API Number 30-025-40652	² Pool Code 2500	³ Pool Name Arkansas Junction; San Andries
⁴ Property Code 39380	⁵ Property Name UTAH STATE	
⁷ OGRID No. 13837	⁸ Operator Name MACK ENERGY CORPORATION	
		⁶ Well Number 1
		⁹ Elevation 3769.3

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	18 S	36 E		2310	SOUTH	2310	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

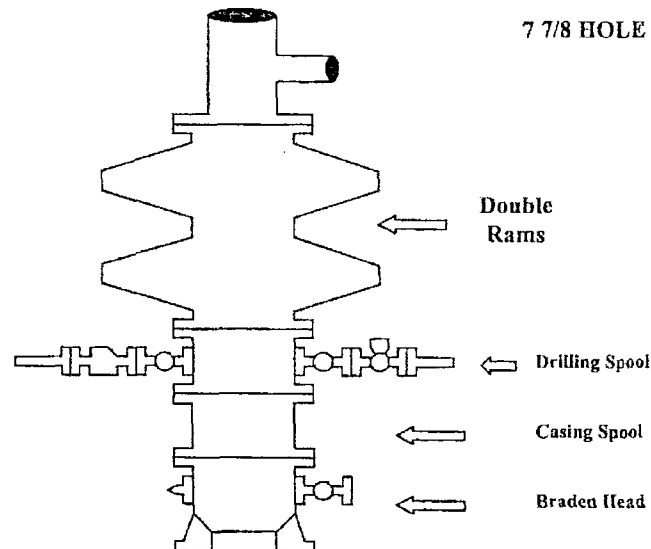
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

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.

<p>NW CORNER SEC. 13 LAT. = 32.7548862°N LONG. = 103.3160109°W</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.</p> <p>UTAH STATE #1 ELEV. = 3769.3' LAT. = 32.7467278°N (NAD27) LONG. = 103.3084731°W</p> <p>SURFACE LOCATION</p> <p>E/4 CORNER SEC. 13 LAT. = 32.7476549°N LONG. = 103.2987756°W</p> <p>SW CORNER SEC. 13 LAT. = 32.7403775°N LONG. = 103.3159857°W</p> <p>S/4 CORNER SEC. 13 LAT. = 32.7403900°N LONG. = 103.3073646°W</p> <p>SE CORNER SEC. 13 LAT. = 32.7403787°N LONG. = 103.2987565°W</p> <p>N89°21'02"E 2645.39 FT</p> <p>N89°32'02"E 2642.55 FT</p>		<p>"OPERATOR CERTIFICATION" 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 undivided 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jerry W. Sherrell</i> 2-13-2013 Signature Date Jerry W. Sherrell Printed Name jerry5@me.com E-mail Address</p> <p>"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.</p> <p>JUNE 20, 2012 Date of Survey <i>Amos F. Jaramilla</i> Signature and Seal of Professional Surveyor Certificate Number: FIDELITY F. JARAMILLA, PLS 12797 STATE OF NEW MEXICO LAND SURVEYOR NO. 1158</p>
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Mack Energy Corporation

Exhibit #1-A BOPE Schematic



Choke Manifold Requirement (3000 psi WP)
No Annular Required

