

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 ARENA RESOURCES, INC 6555 S LEWIS TULSA , OK 74136		2. OGRID Number 220420
		3. API Number 30-025-39216
4. Property Code 304314	5. Property Name HUMPHREY QUEEN UNIT	6. Well No. 032

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
E	3	25S	37E	E	2310	N	330	W	LEA

8. Pool Information

LANGLIE MATTIX,7 RVRS-Q-GRAYBURG	37240
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3161
14. Multiple N	15. Proposed Depth 3500	16. Formation Queen	17. Contractor	18. Spud Date 11/20/2008
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	23	1040	300	
Prod	7.875	5.5	15.5	3500	450	

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	3000	

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 type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 10/27/2008	Expiration Date: 10/27/2010
	Printed Name: Electronically filed by Anita Adams	
	Email Address: aadams@arenaresourcesinc.com	
Date: 10/21/2008	Phone: 918-747-6060	

1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

1301 W. GRAND AVENUE, ARTESIA, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

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

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name	
		37240	Janapic Mattix; 7 RURS-Q- Grayburg	
Property Code	Property Name		Well Number	
304314	HUMPHREY QUEEN UNIT		32	
OGRID No.	Operator Name		Elevation	
220420	ARENA RESOURCES, INC.		3161'	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	3	25-S	37-E		2310	NORTH	330	WEST	LEA

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
Dedicated Acres 40	Joint or Infill	Consolidation Code	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 style="text-align: center; margin-top: 20px;"> GEODETC COORDINATES NAD 27 NME Y=423963.3 N X=863802.0 E LAT.=32.160130° N LONG.=103.157747° W </p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</p> <p style="font-size: small; margin: 5px 0;">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.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p style="font-size: small; margin: 0;">Signature</p> <p style="margin: 0;"><i>Colleen Robinson</i></p> <p style="font-size: small; margin: 0;">Printed Name</p> </div> <div style="width: 35%;"> <p style="font-size: small; margin: 0;">Date</p> <p style="margin: 0;">10-20-08</p> </div> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</p> <p style="font-size: small; margin: 5px 0;">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> </div> <div style="text-align: center; margin-bottom: 10px;"> <p style="font-size: small; margin: 0;">SEPTEMBER 24, 2008</p> <p style="font-size: small; margin: 0;">NEW MEXICO</p> <p style="font-size: small; margin: 0;">JC</p> </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 60%;"> <p style="font-size: small; margin: 0;">Date Surveyed</p> <p style="font-size: small; margin: 0;">Signature & Seal of Professional Surveyor</p> <p style="font-size: small; margin: 0;"><i>Ronald J. Eidson</i></p> </div> <div style="width: 35%;"> <p style="font-size: small; margin: 0;">10/02/08</p> </div> </div> <div style="display: flex; justify-content: space-between; margin: 0;"> <div style="width: 60%;"> <p style="font-size: small; margin: 0;">Certificate No. GARY EIDSON</p> <p style="font-size: small; margin: 0;">RONALD J. EIDSON</p> </div> <div style="width: 35%; text-align: right;"> <p style="font-size: small; margin: 0;">12641</p> <p style="font-size: small; margin: 0;">3239</p> </div> </div>
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Permit Comments

Operator: ARENA RESOURCES, INC , 220420

Well: HUMPHREY QUEEN UNIT #032

API: 30-025-39216

Created By	Comment	Comment Date
DMULL	OCD has received form C-144 "Pit Registration". OCD permit Number P1-00595.	10/27/2008