

**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 MURCHISON OIL & GAS INC 1100 MIRA VISTA BLVD. PLANO, TX 75093		2. OGRID Number 15363
		3. API Number 30-025-39308
4. Property Code 8127	5. Property Name JACKSON UNIT	6. Well No. 009

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	21	24S	33E	C	660	N	1650	W	LEA

**8. Pool Information**

TRISTE DRAW, ATOKA, EAST (GAS)	86430
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**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3573
14. Multiple N	15. Proposed Depth 14550	16. Formation Atoka	17. Contractor	18. Spud Date 2/1/2009
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls 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	17.5	13.375	48	1200	950	0
Int1	12.25	9.625	40	5250	700	0
Int2	8.75	7	29	12600	400	4750
Prod	6.125	4.5	15.1	14550	220	12250

**Casing/Cement Program: Additional Comments**

Additional Casing/Tubing Design Info submitted under separate cover (email to Donna Mull) for inclusion in APD.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Hydrill
Annular	3000	3000	Hydrill

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"/> .	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Electronically filed by Michael Daugherty	Approved By: Paul Kautz	
Title: President	Title: Geologist	
Email Address: ctracy@jdmii.com	Approved Date: 12/30/2008      Expiration Date: 12/30/2010	
Date: 12/10/2008      Phone: 972-931-0700	Conditions of Approval Attached	

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III  
1000 Rio Branca Rd., Aztec, NM 87410

DISTRICT IV  
1220 E. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised October 12, 2005

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APT Number	Pool Code	Pool Name JOHNSON RANCH; ATOKA
Property Code	Property Name JACKSON UNIT	Well Number 9
OGRD No. 15363	Operator Name MURCHISON OIL & GAS, INC.	Elevation 3573'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	21	24 S	33 E		660	NORTH	1650	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 320	Joint or Infill	Consolidation Code	Order No.
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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>320 acres</p>	<p><b>SURFACE LOCATION</b> LAT-N32°12'30.81" LONG-W103°34'49.63" SPC-N: 440422.794 E: 774194.326 (NAD 83)</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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 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>Arnold Nall</i> 12/10/08 Signature Date</p> <p>Arnold Nall Printed Name</p>
		<p><b>SURVEYOR CERTIFICATION</b></p> <p>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>OCTOBER 13, 2008 Date Surveyed</p> <p><i>Gary L. Jones</i> Signature of State of New Mexico Professional Surveyor</p> <p> Professional Surveyor</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>

# Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363

Well: JACKSON UNIT #009

API: 30-025-39308

OCD Reviewer	Condition
pkautz	Surface casing must be set 25' below top of Rustler Anhyrite and above top of Salt.