

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

Form C-101
August 1, 2011
Permit 183989

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 30-025-41766
4. Property Code 8127	5. Property Name JACKSON UNIT	6. Well No. 041H

7. Surface Location

UL - Lot O	Section 22	Township 24S	Range 33E	Lot Idn O	Feet From 300	N/S Line S	Feet From 1475	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot B	Section 22	Township 24S	Range 33E	Lot Idn B	Feet From 330	N/S Line N	Feet From 1670	E/W Line E	County Lea
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9. Pool Information

TRIPLE X;BONE SPRING, WEST	96674
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3542
16. Multiple N	17. Proposed Depth 15800	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 5/22/2014
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	16	13.375	54.5	1300	700	0
Int1	12.25	9.625	40	5200	1300	0
Prod	8.5	5.5	17	15800	1500	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	5000	Schaffer
Double Ram	5000	5000	Schaffer

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. Signature: Printed Name: Electronically filed by Michael Daugherty Title: COO Email Address: ccottrell@jdmii.com Date: 4/1/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 4/1/2014 Expiration Date: 4/1/2016 Conditions of Approval Attached
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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDMENT REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Prod Code		3 Prod Name			
8127		96674		Triple X, Bone Spring, West			
4 Property Code		5 Property Name				6 Well Number	
JACKSON UNIT		JACKSON UNIT				4III	
7 OPERATOR No		8 Operator Name				9 Elevation	
I5363		MURCHISON OIL & GAS, INC.				3542.4	
10 Surface Location							
11 U.I. or lot no.	12 Section	13 Township	14 Range	15 Lot 1/4	16 Feet from the North/South line	17 Feet from the East/West line	18 County
O	22	24 S	33 E		300 SOUTH	1475 EAST	LEA
19 Bottom Hole Location If Different From Surface							
20 U.I. or lot no.	21 Section	22 Township	23 Range	24 Lot 1/4	25 Feet from the North/South line	26 Feet from the East/West line	27 County
B	22	24 S	33 E		330 NORTH	1670 EAST	LEA
28 Indicator Acres		29 Joint or Infill		30 Consolidation Code		31 Order No.	
150							

No slavelab will be assigned to the completion until all interests have been consolidated, or a non-standard unit has been approved by the division.

COMPUTED
USING NAD83 ROW MAP
MAY 128 DATED JULY 8, 2008

W/4 CORNER SEC. 22
LAT. = 32°12'14.24"N
LONG. = 103°33'07.17"W

E/4 CORNER SEC. 22
LAT. = 32°12'11.17"N
LONG. = 103°33'05.53"W

JACKSON TWP. 44N
ELEV. = 3542.4'
LAT. = 32°11'46.04"N (NAD83)
LONG. = 103°33'23.07"W

SW CORNER SEC. 22
LAT. = 32°11'45.05"N
LONG. = 103°34'07.37"W

S/4 CORNER SEC. 22
LAT. = 32°11'45.08"N
LONG. = 103°33'16.81"W

SURFACE LOCATION

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Form APD Comments

Permit 183989

PERMIT COMMENTS

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093		API Number: 30-025-41766
		Well: JACKSON UNIT #041H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 183989

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093	API Number: 30-025-41766
	Well: JACKSON UNIT #041H

OCD Reviewer	Condition
DMULL	Will require a directional survey with the C-104
DMULL	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
DMULL	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
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water