

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 184145

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
4. Property Code 8127		3. API Number 30-025-41769
5. Property Name JACKSON UNIT		6. Well No. 042H

7. Surface Location

UL - Lot P	Section 22	Township 24S	Range 33E	Lot Idn P	Feet From 200	N/S Line S	Feet From 275	E/W Line E	County Lea
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8. Proposed Bottom Hole Location

UL - Lot A	Section 22	Township 24S	Range 33E	Lot Idn A	Feet From 330	N/S Line N	Feet From 350	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 3545
16. Multiple N	17. Proposed Depth 15800	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 7/30/2014
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	1290	800	0
Int1	12.25	9.625	40	5200	1400	0
Prod	8.5	7	26	10800	700	3000
Liner1	8.5	5.5	17	15800	400	10800

Casing/Cement Program: Additional Comments

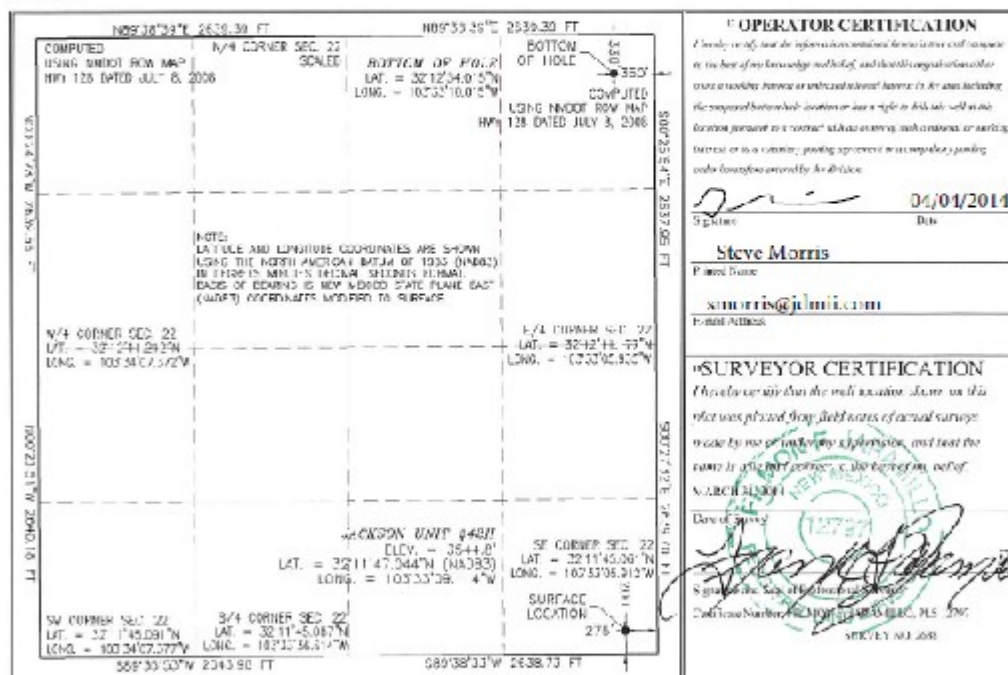
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22. Proposed Blowout Prevention Program

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: 4/4/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 4/4/2014 Expiration Date: 4/4/2016 Conditions of Approval Attached
Phone: 972-931-0700	

Form U-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT



District I
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Form APD Comments

Permit 184145

PERMIT COMMENTS

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093		API Number: 30-025-41769
		Well: JACKSON UNIT #042H
Created By	Comment	Comment Date

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Form APD Conditions

Permit 184145

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093	API Number: 30-025-41769
	Well: JACKSON UNIT #042H

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 -- 3) Liner -- Cement must tie back into production casing
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water