

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3482

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 192104

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 40159		3. API Number 30-025-42098
5. Property Name BETTIS 20 STATE COM		6. Well No. 008H

7. Surface Location

UL - Lot	N	Section	20	Township	24S	Range	33E	Lot Idn	N	Feet From	200	N/S Line	S	Feet From	2290	E/W Line	W	County	Lea
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8. Proposed Bottom Hole Location

UL - Lot	C	Section	20	Township	24S	Range	33E	Lot Idn	C	Feet From	330	N/S Line	N	Feet From	2290	E/W Line	W	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 3532
16. Multiple N	17. Proposed Depth 15500	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 11/10/2014
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	1250	800	0
Int1	12.25	9.625	40	5200	1200	0
Prod	8.5	7	26	10300	800	3000
Prod	8.5	4.5	11.6	15500	800	10300

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:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Michael Daugherty	Approved By: Paul Kautz
Title: COO	Title: Geologist
Email Address: ccoftrell@jdmii.com	Approved Date: 9/9/2014 Expiration Date: 9/9/2016
Date: 9/9/2014 Phone: 972-931-0700	Conditions of Approval Attached

District
 1625 N. French Dr., Hobbs, NM 88240
 Phone (575) 334-6131 Fax (575) 337-4720
 District II
 511 S. First St., Artesia, NM 88211
 Phone (575) 746-1202 Fax (575) 746-0735
 District III
 1009 RD 19000 ROAD, ALBUQUERQUE, NM 87112
 Phone (505) 374-4171 Fax (505) 374-0870
 District IV
 1220 E. R. Rondo Dr., Santa Fe, NM 87501
 Phone (505) 476-3400 Fax (505) 476-3467

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 a copy to appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Well Code	Well Name
59900	Triple X- Bone Spring	
Property Code	Property Name	Well Number
	BETTIS 20 STATE COM	SH
OCRID No.	Operator Name	Elevation
15363	MURCHISON OIL & GAS, INC.	3832.4

Surface Location

UT or T14C	Section	Township	Range	Location	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24 S	33 E		200	SOUTH	2290	WEST	LEA

Bottom Hole Location If Different From Surface

UT or T14C	Section	Township	Range	Location	Feet from the	North/South line	Feet from the	East/West line	County
C	20	24 S	33 E		330	NORTH	2290	WEST	LEA

Estimated Acres	Section to Well	Completions Code	Order No.
1.60			

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.

NOTE:
 LATITUDE AND LONGITUDE COORDINATES ARE BASED ON THE NAD 83 DATUM OF 1983 (NAD83) BY THE U.S. NATIONAL BUREAU OF STANDARDS (NBS).
 DATES OF SURVEYING ARE INDICATED BY THE DATE OF THE SURVEY. COORDINATES LISTED IN THIS PLAT.

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that the information contained herein is true and complete to the best of my knowledge and belief.

Signature: Steve Morris Date: 09/09/14

Printed Name: Steve Morris

Email Address: smorris@jdmii.com

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was placed from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: JUNE 10, 2014

Signature: [Signature]

Certificate Number: 12787

SURVEY NO. 2031

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 192104

PERMIT COMMENTS

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093	API Number: 30-025-42098
	Well: BETTIS 20 STATE COM #008H

Created By	Comment	Comment Date
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Santa Fe, NM 87505

Form APD Conditions

Permit 192104

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MURCHISON OIL & GAS INC [15363] 1100 Mira Vista Blvd. Plano, TX 75093	API Number: 30-025-42098
	Well: BETTIS 20 STATE COM #008H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	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	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement