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 174119

	ne and Address RCHISON OIL & GA	AS INC					***	Ř.		2. OGR	15363		
	0 Mira Vista Blvd. 10, TX 75093									3. API I	Number 30-025-41438		
4. Property Cod 401			5. Property Name Bettis	20 State C	6. Well No. 104H 104H 105H 105H								
					7.	Surfa	ice Location						
JL - Lot N	Section 20	Township 24	Range S	33E	Lot Idn	N	Feet From 200	N/S Line S	Feet Fro	m 1670	E/W Line W	County	Lea
					8. Propos	ed Bo	ottom Hole Locati	on					
JL - Lot	Section	Township	Range	120000	Lot Idn	=0	Feet From	N/S Line	Feet Fro		E/W Line	County	2000
С	20	24	S	33E	(C	330	N		1670	W		Lea
					9.	Pool	Information						
TRIPLE X;BO	NE SPRING, WES	Т									96674		
					Additio	onal V	Well Information						
11. Work Type New	Well	12. Well Type Ol		13. C	able/Rotary			14. Lease Type State			evel Elevation		
16. Multiple 17. Proposed Depth N 15650			18. Fo	18. Formation 19. Contractor Bone Spring				20. Spud Date 7/15/2014					
Depth to Ground water			Distar	Distance from nearest fresh water well Dist				Distance to n	stance to nearest surface water				
We will be u	sing a closed-loo	p system in lie	u of lined pits										
Туре	Hole Size	Cas	ing Size		. Proposed of sing Weight/ft		ng and Cement Pr	Depth	Sad	s of Cement		Estimated T	OC.
Surf	16	13.375		54.5			1200		600		0		
Int1	12.25	9.625			40		51	5100		1700		0	
Prod	8.5	1	7		26		105	10500		1000		4000	
FIUU	iner1 6.125 4.5						15650 60			500 10400			

Cement with 100% excess and circulate to surface on surface and intermediate casing. Cement 100% excess on production casing to bring TOC to 4,000' MD. Cement liner with 25% excess to bring TOC to 10,400' MD.

22. Proposed Blowout Prevention Program

Туре	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	ON DIVISION
Printed Name:	Electronically filed by Michael Da	ugherty	Approved By:	Paul Kautz	
Title:	C00	33-35 A	Title:	Geologist	
Email Address:	ccottrell@jdmii.com		Approved Date:	10/4/2013	Expiration Date: 10/4/2015
Date:	9/30/2013	Phone: 972-931-0700	Conditions of Appr	roval Attached	Market Carrier and an Carrier

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; (573) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM \$7505 Phone: (505) 476-3460 Fax: (505) 476-3462

20

Joint or Infill

Dedicated Acres

160

24 S

33 E

Consolidation Code

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 one copy to appropriate District Office

■ AMENDED REPORT

LEA

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number				2 Pool Code			3 Pool Na				
				96674	T	riple X; Bo	ne Spring,	West			
⁴ Property Code				³ Property Name						4 Well Number	
				BETTIS 20 STATE COM					4H		
OGRID	OGRID No.			* Operator Name					⁷ Elevation		
1536.	15363		MURCHISON OIL & GAS, INC.						3534.6		
					™ Surface	Location					
UL or let no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
N	20	24 S	33 E		200	SOUTH	1670	WE	ST	LEA	
	Bottom Hole Location If Different From Surface										
UL or lot no.							East/We	est line	County		

NORTH

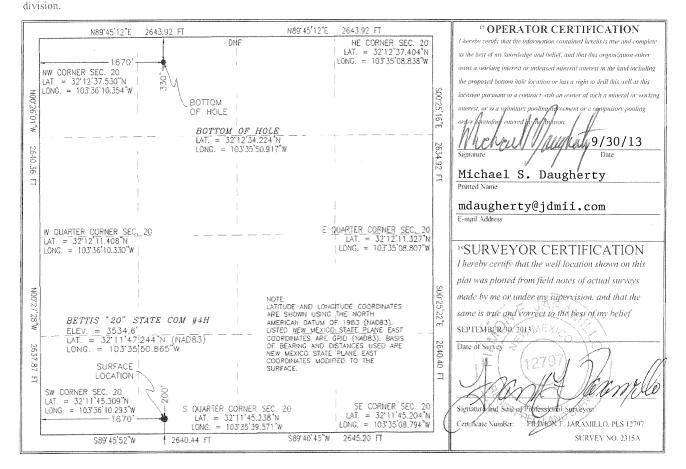
1670

WEST

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the

330

Order No.



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Permit 174119

Form APD Comments

PERMIT COMMENTS

Operator Name and Address:	API Number:
MURCHISON OIL & GAS INC [15363]	30-025-41438
1100 Mira Vista Blvd.	Well:
Plano, TX 75093	Bettis 20 State Com #004H
	·

Created By	Comment	Comment Date

Form APD Conditions

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-8161 Fax:(575) 393-0720

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State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Permit 174119

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MURCHISON OIL & GAS INC [15363]	30-025-41438
1100 Mira Vista Blvd.	Well:
Plano, TX 75093	Bettis 20 State Com #004H

OCD Reviewer	Condition
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 at least 25' below top of Rustler Anhydrite in order to seal off protectable water
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