District I 1825 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 174127

MUF	ne and Address RCHISON OIL & G	AS INC						200			2. OGR	ID Number 15363		
	0 Mira Vista Blvd. no, TX 75093										3. API I	Number 30-025-41436	5	
4. Property Cod 401			5. Property N		State Con	1					6. Well	No. 002H		
						7. Su	ırfac	e Location						
JL - Lot P	Section 20	Township 2	4S Ra	nge 3	3E	Lot Idn P	6	Feet From 200	N/S Line S	Feet I	From 940	E/W Line	County	Lea
					8	. Proposed	Bott	tom Hole Locat	ion					
JL - Lot A	Section 20	Township 2	4S Ra	nge 3	3E	Lot Idn A	8	Feet From 330	N/S Line N	Feet I	From 940	E/W Line	County	Lea
						9. Po	ool In	formation						
FRIPLE X;BO	NE SPRING, WES	T										96674		
						Addition	al W	ell Information						
11. Work Type New	/ Well	12. Well Typ	pe) L		13. Cable	/Rotary			14. Lease Type State			evel Elevation 531		
16. Multiple N	Indiana de la companya della companya della companya de la companya de la companya della company	17. Propose 1	d Depth 5650		18. Forms	Bone Spri	ng		19. Contractor		20. Spud Dat 4/	te 15/2014		
Depth to Groun	d water				Distance	from nearest	fresh	water well			Distance to n	earest surface water		
We will be u	ising a closed-loo	p system in li	eu of lined p	its							4			
					21. P	roposed Ca	sing	and Cement P	rogram					
Type	Hole Size	Ca	sing Size		Casing	Weight/ft		Settin	g Depth	Sac	ks of Cement		Estimated 7	TOC
04	16		13.375			4.5		12	200		600		0	
Surf										1700 0				
Int1	12.25	T (9.625			40							-	
	12.25 8.5 6.125		9.625 7 4.5			40 26 11.6		10	500 650		1000		4000 10400	

Casing/Cement Program: Additional Comments

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

knowledge and b	pelief.	true and complete to the best of my NMAC ⊠ and/or 19.15.14.9 (B) NMAC		OIL CONSERVATIO	ON DIVISION
Printed Name:	Electronically filed by Michael Da	ugherty	Approved By:	Paul Kautz	
Title:	C00	CEOSE AN	Title:	Geologist	S
Email Address:	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	oval Attached	Vis. 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

District I
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Pistrict, II
811 S. First St., Artesia, NM 88240
Phone: (\$75) 748-1283 Fax: (\$75) 748-9720
<u>District, III</u>
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (\$05) 334-6178 Fax: (\$05) 334-6170
<u>District, IV</u>
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (\$05) 476-3460 Fax: (\$05) 476-3462

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	3 Pool Name		
	96674	Triple X; Bone Spring, Wes	t	
⁴ Property Code	Property Name			
	2H			
OGRID No.	IO z	⁷ Elevation		
15363	MURCHISO	N OIL & GAS, INC.	3531.1	
	¹⁰ Sur	face Location		

UL or lot no. Range Section Township Lot Idn Feet from the North/South line Feet from the East/West line County P 2.0 24 S 33 E 200 SOUTH 940 **EAST** LEA 11 Bottom Hole Location If Different From Surface UL or lot no. Section Township Range Lot ldn Feet from the North/South line Feet from the East/West line County A 20 24 S 33 E 330 NORTH 940 EAST LEA Dedicated Acres Joint or Infill Consolidation Code Order No. 160

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.

	N89'45'12"E 2643.92 FT	M89'45'12"E 2643.92 FT		OPERATOR CERTIFICATION
	NW CORNER SEC. 20 DNF	THE CONTRELL SEQ. 20		I hereby certify that the information contained herein is true and complete
	LAT. = 32'12'37.530"N LONG. = 103'36'10.354"W	LAT. = 32'12'37.404"N LONG. = 103'35'08.838"W 940'		to the best of my knowledge and belief, and that this organization either
	20/10. = 103.36 10.534 #	23.00		owns a working interest or unleased mineral interest in the land including
	AD.	330		the proposed bottom hole location or has a right to drill this well at this
Į Š	and the second s	воттом	500'25	location pursuant to a contract with an owner of such a mineral or working
N00'26'01		OF HOLE	25'1	interestfor to a voluntary popling agreement or a conjudsory pooling
W.10		BOTTOM OF HOLE	3,91.	ought beresotors entered subshiptivision.
	The results arranged company company and address behavior and an experimental and address	LAT. = 32°12°34.163°N		11 Mehar 11/11/14/14/19/30/13
264	Add to a few or a few	LONG. = 103'35'19.777'W	2634.92	Signature Date
2640.36	*Order		26.1	W 1 1 0 5 / 1 /
1	1474.4.05		7	Michael S. Daugherty
and the second				Printed Name
	i	l l		mdaugherty@jdmii.com
				E-mail Address
	W QUARTER CORNER SEC. 20 LAT. = 32 12 11 408 N	E QUARTER CORNER SEC. 20 LAT. = 32 12 11.327"N		
	LONG. = 103'36'10.330"W	LONG. = 103'35'08.807"W		*SURVEYOR CERTIFICATION
	17 A C 17 A	l l		I hereby certify that the well location shown on this
		THE PROPERTY OF THE PROPERTY O		plat was plotted from field notes of actual surveys
NO.	NOTE:	***************************************	500	made by me or under my supervision, and that the
27	LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH	BETTIS "20" STATE COM #2H	500'25'22	MINERAL MANARA
28°W	AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST	ELEV. = 353111'	22°E	same is true and correct to the best of my belief.
1	COORDINATES ARE GRID (NADB3). BASIS OF BEARING AND DISTANCES USED ARE	LAT. = 32*11*47.195"N_(NAD83) LONG. = 103*35*19.732"W	.,,	SEPTEMBER 30, 2013
2637	NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE		264	Date of Survey
57.8	SURFACE.	SURFACE LOCATION	2640,40	
7 F		FOCKHON) FI	
	T.	,00		The Market
	SW CORNER SEC. 20 S QUARTER CORNER SEC	1 0/2		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	LAT. = 32'11'45.309"N , LAT. = 32'11'45.238"N	N LAT. = 32'11'45.204"N - 940'		Signature and Seal of Professional Surveyor:
	LONG. = 103'36'10.293"W LONG. = 103'35'39.571"			Certificate Number: FILMONT JARAMILLO, PLS 12797
	S89'45'52"W 2640.44 FT	S89'40'45"# 2645.20 FT		SURVEY NO. 2317A

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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 174127

Form APD Comments

PERMIT COMMENTS

	PI Number:
MURCHISON OIL & GAS INC [15363]	30-025-41436
1100 Mira Vista Blvd.	VeII:
Plano, TX 75093	Bettis 20 State Com #002H

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 174127

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MURCHISON OIL & GAS INC [15363]	30-025-41436
1100 Mira Vista Blvd.	Well:
Plano, TX 75093	Bettis 20 State Com #002H

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 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