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

Phone (3 / 3) / 148-228 Fax (3 / 3) / 148-9/20 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone (305) 334-6178 Fax (505) 334-6170 District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

#### State of New Mexico **Energy, Minerals and Natural Resources** Oil Conservation Division

Form C-101 August 1, 2011 Permit 160258

1220 S. St Francis Dr. Santa Fe, NM 87505

		the state of the s	rator Name ar					2. OGRID Num	iber
			ISON OIL ) Mira Vist	& GAS IN	C			15363	
			lano, TX 7					3. API Number	
							1	30-025-411	22
4. 1	Property Code				5. Property Nam	e		6. W	ell No.
	8127			J.	ACKSON UN	011 <b>H</b>			
		215		7. S	urface Loc	ation	500 50		
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	16	24S	33E	В	200	N	1980	E	LEA
	3		8.	Proposed	Bottom H	ole Locatio	n		
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
0	16	24S	33E	0	330	S	1980	E	Lea
				9. P	ool Inform	ation		32	
SIDI E X-I	RONE SPR	ING, WEST							9

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lesse Type State	15. Ground Level Elevation 3614 20. Spud Date 7/1/2013	
16. Multiple	17. Proposed Depth	18. Formation	19. Contractor		
N	11164	Bone Spring			

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	16	13.375	54.5	1480	800	0
Int1	12.25	9.625	40	5184	1375	0
Prod	8.5	7	26	10920	700	4000
Liner1	6.125	4.5	11.6	14980	500	10820

#### Casing/Cement Program: Additional Comments

Cement with 50% excess and circulate to surface on surface casing and intermediate casing. Cement with 50% excess on production casing to bring TOC to 4,000' MD. Cement liner with 25% excess to bring TOC to 10,820' MD.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer	
Annular	5000	5000	Schaffer	
DoubleRam	5000	5000	Schaffer	

best of my knowledge and belie		OIL CONSERVATION DIVISION Approved By: Paul Kautz				
I further certify I have comp 19.15.14.9 (B) NMAC ⊠, if a	lied with 19.15.14.9 (A) NMAC 🛮 and/or applicable.					
Signature:						
Printed Name: Electronic	ally filed by Michael Daugherty	Title: Geologist				
Title: COO		Approved Date: 4/18/2013	Expiration Date: 4/18/2015			
Email Address: ccottrell@	tjdmii.com	Link, and a second				
Date: 4/18/2013	Phone: 972-931-0700	Conditions of Approval Attached				

District 1
1625 N. French Dr., Hobbs, NM 88,240
Phone: (573) 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 Road, Aztee, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe. NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

160

# 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	<sup>1</sup> API Number			<sup>2</sup> Pool Code	e		3 Pool Na	me		
			Ğ	6674	Т	riple X; Bo	ne Spring,	West		
<sup>4</sup> Property	Code				5 Property	Name			6 Well Number	
8127					JACKSON	UNIT		11 H		
OGRID No.		N Operator Name							y Elevation	
15363				MUI	RCHISON OII	L & GAS, INC.	3613.7			
					10 Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County	
В	16	24 S 33 E 200 NORTH 1980 EAST						EAST	LEA	
			" Bo	ttom Ho	le Location I	f Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West lin	e County	
O	16	24 S 33 E 330			330	SOUTH 1980 EA			ST LEA	

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.

S89'44'57"W	2639.61 FT	\$89'44'44"W	2642.23 FT		"OPERATOR CERTIFICATION
NW CORNER SEC. 16	N/4 CORNER SEC. 16 LAT. = 32'13'29.634"N		1980' <del></del>	]	I hereby certify that the information contained herein is true and complete
LAT. = 32'13'29.702"N LONG. = 103'35'08.843"W	1  LONG. = 32.13.29.634  M; $1.1  LONG. = 103'34'38.121'W;$	/1	NE CORNER SEC. 16		to the best of my knowledge and belief, and that this organization either
E040 105 55 00.0+5 11		FACE / 8	1AT - 30:13'20 565"N		owns a working interest or unleased mineral interest in the land including
SS	l LOC)	ation <sup>©</sup>	LONG. = 103'34'07.368"\	No	the proposed bottom hole location or has a right to drill this well at this
Q.		JACKSON UNIT #11		0.5	location pursuant to a contract with an owner of such a mineral or working
6 2	i lat i	ELEV. = 3613.7' = 3213'27.638"N (NA	ודפח	4.3	interestion to a poluntury/pooling differenced or afformations pooling
S00'26'20"E		= 32 + 3 27.036  N (N) $= 103'34'30.413'$		M, 2	ortion hereto gree energy by the division.
	h			122	//WY/CEU///////////////////////////////////
2640.76	1			2640.	Signature Date
.76	· .			24	Michael S. Daugherty, COO
	!			17	Printed Name
	!				
	<u>i</u> .				mdaugherty@jdmii.com
W/4 CORNER SEC. 16	1		E/4 CORNER SEC. 16 - LAT = 32'13'03.443"N		E-Hall Address
LAT: = 32'13'03.575"N LONG: = 103'35'08.821"W	<u> </u>		LONG. = 103'34'07.367"W		POLIDITETION OF STREET A TION
	į .				*SURVEYOR CERTIFICATION
	1				I hereby certify that the well location shown on this
SC	\$ :			N00'23	plat was plotted from field notes of actual surveys
S00'24'08"E				0.2	made by me or under my supervision, and that the
4 0	į   	1		3'5	same is true and correct to the best of my belief.
(A)	1			, ,	DECEMBER 7, 2012 4
N	1	BOTTOM OF HOLE		2639	Date of Survey
2646.11	1	LAT. = 32'12'40.627"N		39,	
=	1 1	LONG. = 103'34'30.424"W	SE CORNER SEC. 16	69	
긔	: : 8	BOTTOM_	LAT. = 32'12'37.335"N		Land Shame
	OF	HOLE	LONG. = 103'34'07.379"W		( X HELL STELLING
SW CORNER SEC. 16 LAT. = 32'12'37.404"N	; [	Gi.	— 1980' —— <del>-</del>	1 /1	Signature and Seal of Professional Surveyor:
LONG. = 103'35'08.838"W	1			] [	Centificate Number THEINION DES ARAMILLO, PLS 12797
N89'40'20"E	2640.15 FT	N89'40'20"E	2640.15 FT	1	SURVEY NO. 1415
<del></del>					The same of the sa

### **Permit Comments**

Operator: MURCHISON OIL & GAS INC , 15363 Well: JACKSON UNIT #011H API: 30-025-41122

Created By	Comment	Comment Date
pkautz	Land s/S	4/18/2013
CHERRERA	OCD RECEIVED FORM C144 CLEZ. OCD PERMIT # P1-06072	4/18/2013

## Permit Conditions of Approval Operator: MURCHISON OIL & GAS INC , 15363 Well: JACKSON UNIT #011H API: 30-025-41122

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	In order to seal off protectable water, surface casing must be set 25' below top Rustler Anhydrite.