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 152867

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

	rator Name and Address	2. OGRID Number				
MURCHISON OIL & GAS INC 1100 Mira Vista Blvd. Plano, TX 75093		15363 3. API Number 30-015-40544				
				4. Property Code	5. Property Name	6. Well No.
				30287	GRIZZLY BEAR STATE COM	003H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	1	17S	28E	P	400	S	575	E	EDDY

8. Pool Information

EMPIRE; GLORIETA-YESO	96210
EWI IKE, OLOKIE IA-1E30	90210

Additional Well Information

9. Work Type New Well			11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3691
14. Multiple 15. Proposed Depth N 3850		16. Formation 17. Contractor Paddock		18. Spud Date	
Depth to Ground	water		Distance from nearest fresh water	r well	Distance to nearest surface water

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	36	352	210	0
Prod	8.75	7	26	3865	700	0
Liner1	6.125	4.5	11.6	8260	0	

Casing/Cement Program: Additional Comments

100% excess to be used on all sections; circulate cement to surface.

Proposed Blowout Prevention Program

Troposta Divitati Tropiani							
Type	Working Pressure	Test Pressure	Manufacturer				
Annular	3000	3000	Shaffer				
DoubleRam	3000	3000	Shaffer				

of my knowledge and belief.	nation given above is true and complete to the best illing pit will be constructed according to	OIL CONSERVATION DIVISION		
	eneral permit 🗆, or an (attached) alternative	Approved By: Randy Dade		
Printed Name: Electroni	cally filed by Michael Daugherty	Title: District Supervisor		
Title: COO		Approved Date: 8/1/2012	Expiration Date: 8/1/2014	
Email Address: ccottrell@jdmii.com				
Date: 7/31/2012	Phone: 972-931-0700	Conditions of Approval Atta	ached	

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) 748-1233 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 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

1220 South St. Francis D Santa Fe, NM 87505 Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

'	WELL LOCATION AND F	CREAGE DEDICATION FLAT	
¹ API Number	² Pool Code	² Pool Code ² Pool Name	
⁴ Property Code	· ·	ecty Name	⁶ Well Number 3 H
OGRID No.		rator Name	⁹ Elevation
15363	MURCHISON	OIL & GAS, INC.	3691.2

10 Surface Location East/West line County Feet from the North/South line Feet from the Lot Idn UL or lot no. Section Township Range **EDDY** 575 17 S 28 E 400 SOUTH EAST P 1 "Bottom Hole Location If Different From Surface East/West line County Feet from the North/South line Feet from the UL or lot no. Section Township Range **EDDY** 400 SOUTH 330 WEST 28 E 17 S M 15 Order No. 12 Dedicated Acres ³ Joint or Infill 14 Consolidation Code 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.

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	S89'10'36"W	2678.89 FT	S89110'48 <u>"W</u>	2681.02		,	"OPERATOR CERTIFICATION
TAIW C	ORNER SEC. 1	N QUARTER CO			CORNER SEC. 1		E hereby certify that the information contained herein is true and complete
LAT.	= 32'52'19.647"N	LAT. = 32\5 LONG. = 104	i2'19.977"N 'n7'48 012"W		32'52'20.305"N 104'07'16,586"W		to the best of my knowledge and belief, and that this organization either
LONG.	. = 104'08'19.413"W	LUNG. = TUP	W7 40.012 W	Lower	turar returns to		ewas a working interest or unleased mineral interest in the land including
				a section of the sect		-	the proposed bottom hole location or has a right to drill this well at this
8				2		N00.02	tocation pursuant to a contract with ay owner of sych a mifferal or working
17.2		i		49000		05'5	interest, offa a valuftary pooling spreament or a complisory pooling
501'25'00						3.1.6	ordife flyfragiore Spiered is flive filk is ifm.
m			and the second second to the second s		respective analysis of the contract and	,	Will beat 1 Milleth 7/21
	WATER COURSE SHOULD PROVIDE COURSE OF			1		26	111/2/12/9/1/4/2/19/19/1/31/
263		1				2652.75	Signature Date
2631.06		ļ į				1 1	Michael S. Daugherty
3 1							Printed Name
"		a de la companya de l		į			1 1
		1		*			mdaugherty@jdmii.com
			9	OUNDTER	CORNER SEC. 1		E-mail Address
	and the second section of the second second	and the same and t	MANUAL MANUAL CONTRACT CONTRACT MANUAL MANUAL MANUAL CONTRACT OF	TUAT.	= 32'51'54.063"N		
		1		LONG. =	= 104°07°16.701°W		SURVEYOR CERTIFICATION
				1			I hereby certify that the well location shown on this
							plat was plotted from field notes of actual surveys
8						N00.00	made by me or under my subervision, and that the
S01'25'00'E		1				8	
8		:		7		6	same is true and correct to the best of my belief.
),Ę			GRIZZLY BEA		. Andrews makes my marry supply the	æ.	BULY 25, 2017.
	POTTO:	OF HOLE	ELEV. = NT. = 32°51'31.766"N			265	Date of Survey
83	LAT. $= 3$	2'51'31.576"N	LONG. = 104'07'2			1 1	
2631.06	LONG. =	104'08'14.241"W	. ene	RFACE	~ _	49	1 11 1 1/4 1
	BOTTOM			CATION \	(<u>.</u> <u>6</u>	뒤	Vin VIV
	9 OF HOL	E S QUARTER CORN			ŽŽ.		SYMMA TOWN
-	330' SW CORNER	CAT. = 32'51";	17.721"N SE CORNE	R SEG. 1	75'		Signature and Seat of Professional Streets:
	LAT. = 32'5		147.371"W LAT. = 32"51	27.833"N		1	Certificate Number: FILING JARAMILLO, PLS 12797
<u> </u>	LONG. = 104		LONG. = 104'07 H89'38'18'E	2611.6	<u> </u>	1 (SURVEY NO. 1215
	N89'38'07"E	2613.47 FT	MOS JO TO L	#. K7 E 11 - KA	ng + 8		555151

Permit Comments

Operator: MURCHISON OIL & GAS INC , 15363 Well: GRIZZLY BEAR STATE COM #003H

API: 30-015-40544

Created By	Comment	Comment Date	
CSHAPARD	Land s/S	8/1/2012	

Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363 Well: GRIZZLY BEAR STATE COM #003H

API: 30-015-40544

OCD Reviewer	Condition
CSHAPARD	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