## State of New Mexico

Form C-101 Permit 19694

## **Energy, Minerals and Natural Resources**

# Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

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

OIL TEREMIT TO BILLED, IN EATHER, BEEN	
1. Operator Name and Address	2. OGRID Number
	15363
	3. API Number
1 mio , 12 75075	30-015-34461
5. Property Name	6. Well No.
PUMA	001
	Operator Name and Address     MURCHISON OIL & GAS INC     1100 Mira Vista Blvd     Plano , TX 75093     5. Property Name

#### 7. Surface Location

1. Sanace Docador									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
В	14	17S	28E	В	660	N	1980	E	EDDY

#### 8. Pool Information

EMPIRE; MORROW, SOUTH (GAS)	76400
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#### **Additional Well Information**

	37%		IIIIIIII IIIIIIII		9.9		
		ell Type AS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3592		
		oosed Depth 0500	16. Formation Morrow	17. Contractor	18. Spud Date 3/1/2006		
Depth to Ground water 100			Distance from nearest fresh water > 1000	Distance to nearest surface water > 1000			
Liner: Synthetic Closed Loop System	X 12	mils thick	Clay Pit Volume: 30000 bbls		Diesel/Oil-based Gas/Air		

19. Proposed Casing and Cement Program

Туре	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	61	250	525	0
Int1	12.25	9.625	47	2200	600	0
Prod	7.875	5.5	17	10500	1300	2000

### Casing/Cement Program: Additional Comments

Surface Casing cement w/ Class "C" or Type I + Additive Intermediate Casing cement w/ Class "C" or Type I + Additive Production Casing cement w/ Class "C" or Type I + additives

Proposed Blowout Prevention Program

Туре	Working Pressure	Test Pressure	Manufacturer
DoubleRam	11	5000	
Hydril	11	3000	

I hereby certify that the information gives of my knowledge and belief. I further constructed according to NMOCD gran (attached) alternative OCD-appro	ridelines 🔀, a general permit 🗀, or	OIL CONSERVATION DIVISION Approved By: Bryan Arrant				
Printed Name: Electronically file	ed by Michael Daugherty	Title: Geologist				
Title: Vice President Operations		Approved Date: 12/13/2005	Expiration Date: 12/13/2006			
Email Address: mdaugherty@jd	mii.com					
Date: 12/12/2005	Phone: 972-931-0700	Conditions of Approval Attack	ned.			

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III

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 June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies

EN MEYO

Certificate Number OF SURVE SURVE DAN R. REDDY POFFSSION

District III 1000 Rio Brazos Rd., Aztec, NM 87410 1220 South St. Francis Dr. Santa Fe, NM 87505					,	F	ate Lease - 4 Copies  ee Lease - 3 Copies					
1220 S. St. Franc	s Dr., Santa	•		ገሮል'	TION AND	) ACE	REAGE DEDI	CATI	ON PL	∆T	∐ AN	MENDED REPORT
	API Numb		V LLL L		d Code	ACI	CAGE DEDI	CATI	<sup>3</sup> Pool N			
				7	640		SOUTH EMPIR	Е МОН	RROW			
<sup>4</sup> Property	Code				<sup>5</sup> ]	Property						<sup>6</sup> Weli Number
						PUM						1
70GRIE 0153				NAT		Operator		īC				<sup>9</sup> Elevation
0133		<u> </u>		TAT			L & GAS, IN	iC.				3592
UL or lot no.	Section	Township	Range	Lot Ide	Su		Location North/South line	Fast fo	om the	East/West li	ine.	County
В	14	17-S	28-E		66		NORTH		980	EA		EDDY
	1	1 17 5	1			-	f Different Fro					
UL or lot no.	Section	Township	Range	Lot Ida			North/South line		om the	East/West li	ine	County
<sup>12</sup> Dedicated Acre 320	l <sup>13</sup> Joint	or Infill 14	Consolidation	Code	15 Order No.							
No allowable division.	will be as	signed to t	his comple	tion ur	ntil all interest	s have	been consolidate	d or a r				approved by the
					9				to the best of owns a world	my knowledge an	nd belief, an kand includ	nined herein is true and complete and that this organization either ting the proposed bottom hole
					LAT N32.84 LON W104.14		1980'		contract with	an owner of such	a working	this location pursuant to a interest, or to a voluntary ing order heretofore entered by
			5PAC	21N.	6 UN	JIT	<u></u>		Signature	mul II fü	ugku	12/7/2005 Date
	_							4	MICHA Printed Nam		UAUG	HERTY
L		<b>-</b>							I hereby control plat was pure made by made by made is true NOVEME	ertify that the plotted from f ne or under n ue and corre BER 29, 200	e well lo	CTIFICATION exation shown on this es of actual surveys vision, and that the best of my belief.
				-					Signature at	N Sold of Profe	essional S	dryeyor.

# **Permit Comments**

Operator: MURCHISON OIL & GAS INC , 15363

Well: PUMA #001 API: 30-015-34461

Created By	Comment	Comment Date
BArrant	See e-mail dated 12/11/2005 to mdaugherty@jdmii.com	12/11/2005
MSDAUGHERTY	A review of the area indicates that no H2S Contingency Plan is required pursuant to NMOCD Rule 118. H2S monitoring equipment will be installed on the rig as a precautionary measure.	12/12/2005
	Mud Program is as follows: 0'-200' 8.4 0-10K 200'-2200' 8.4 0-10K 2200'-6800' 8.4-8.8 0- 40K 6800'-9500' 8.6-9.2 40-60K 9500'-10500' 8.8-9.4 50-70K PH to be maintained at 10 or above	12/12/2005

# Permit Conditions of Approval

Operator: MURCHISON OIL & GAS INC , 15363 Well: PUMA #001

API: 30-015-34461

OCD Reviewer	Condition
IHArrant	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
BArrant	"Operator or to use "fresh water mud/"fresh water spud mud" for surface hole drilled.