District I

1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410 District IV

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

State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

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

Submit to appropriate District Office

RECEIVED

☐ AMENDED REPORT

1220 S. St. F				TOO D		nta Fe, N			JUL 1 1 20				
М	URCHISO	N OIL & G	Operator Name AS, INC.	and Addre	KILL, K	<u>e-livit</u>	K, D	LLPLA	GOVATIA	OGRII	Number		NE
PI	JO MIKA JANO, TX	VISTA BLV . 75093-469	7D. 98						30-0(S- API	Vumber 120	6	
Property Code Property 3 4 9 5 7 MUDCAT ST							Name Well No. ATE COM 1						
۶.,		Mon	Proposed Pool 1	 	764	100			¹⁰ Pro	posed Pool 2	2		
<u></u>	· PIAC) Nevi	rew , ser	<u> </u>		ce Locati	on				••		
UL or lot no.	Section	Township	Range	Lot Idn Feet i		set from the	North/South line		Feet from the		East/West line		County
P	11	17S	28E	and Date	om Wala I a	1300		UTH	810	EAS	ST]	ED	DY
			Lat]		et from the	Different From St		Feet from the	East/We	East/West line		unty	
				A	dditional V	Well Info	rmatic	חכ		<u> </u>			
	Type Code N		Well Type Coo G		13 (Cable/Rotary R			Lease Type Code S		15 Groun	d Level Eler	vation
	¹⁶ Multiple N		¹⁷ Proposed Dept 10500	oth 16 Formation MORRO			, and the second se		19 Contractor ATTERSON		²⁰ Spud Date 8/1/2005		
Depth to Grou	ndwater			Distance	from nearest fi	esh water weli			Distance fron	nearest sur	face water		
	Synthetic D -Loop System		thick Clay	Pit Volum	:_ <u>30,000</u> _bbls		Drilling I		☐ Diesel/Oil-based	☐ Gas/A	ir 🗍		
			21	Propos	sed Casing								
Hole S	ize	Casi	ng Size	Casing weight/foot			Setting Depth		Sacks of Cement		Estimated TOC		
17-1/2"		13	3-3/8	61 #/FT			200'		420 SZ	KS	SURFACE		
12-1/	'4 "	9.	9-5/8		47 #/FT		2200'		600 SXS		SURFACE		
7-7/8	7-7/8"		5-1/2		17 #/FT		10500'		640 SXS		EST TOC 6500		
						<u> </u>				. <u></u>			
Describe the b	lowout prev	ention progra	m, if any. Use ad PLETE WE HYDRILI	ditional sh LL IN DOUE	eets if necessa MORRO 3LE RAN	ry. W FORM 1 11" x 30	1ATI(000 P	ON SI	D CONNECTOR OF THE PROPERTY OF	CTIONS MOTE	COVE	ROL CR ALI	L OIL
of my knowled	ge and belie ccording to emative OC	of. I further of NMOCD g	ugherly	rilling pit	will be	4	_	OIL CO	mW.	G Sy	em	rico	U
Title: VICE P	RESIDENT	OPERATIO	NS /			Approva	1 Date:	JUL	1 4 2005 _{Ex}	cpiration Da	ate:	JUL]	4 20
E-mail Address	: mdaughe	rty@jdmii.co	om T			-							
Date: 7/7/2005 Phone: (972) 931-0700						Condition	ıs of App	roval Attack	ned 🔲				

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II
1301 W. Grand Avenue, Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

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

Form C-144

June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure	
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒	
of action. Registration of a nit or below-grade tank X Closure of a nit or below-grade tank	П

Type of action: Registration of a pit of	or below-grade tank 🗵 Closure of a pit or below-grade tank 📋								
Operator: MURCHISON OIL & GAS, INC. Telephone Address: 1100 MIRA VISTA BLVD., PLANO, TX. 750	ne: <u>(972) 931-0700</u> e-mail address: <u>mdaugherty@jdmii.com</u>								
	U/L or Qtr/Qtr P Sec 11 T 17S R 28E NAD: 1927 □ 1983 □ Surface Owner: Federal □ State ☑ Private □ Indian □								
County: EDD 1 Lamide Longitude									
<u>Pit</u>	Below-grade tank								
Type: Drilling Production Disposal	Volume:bbl Type of fluid:RECEIVED								
Workover	Construction material:								
Lined 🛭 Unlined 🗌	Double-walled, with leak detection? Yes [If not, explain why not. JUL 1 1 2005								
Liner type: Synthetic M Thickness 12 mil Clay	- OUP ATTERM								
Pit Volume 30000 bbl									
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet (20 points)								
high water elevation of ground water.)	50 feet or more, but less than 100 feet (10 points)								
nigh water elevation of ground water.)	100 feet or more X (0 points) 0								
	Yes (20 points)								
Wellhead protection area: (Less than 200 feet from a private domestic	No X (O points) 0								
water source, or less than 1000 feet from all other water sources.)									
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet (20 points)								
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet (10 points)								
irrigation canais, ottories, and perennial and epitemeral watercourses.)	1000 feet or more X (0 points) 0								
	Ranking Score (Total Points)								
	elationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if								
	. (3) Attach a general description of remedial action taken including								
remediation start date and end date. (4) Groundwater encountered: No 🗌 Yes	s If yes, show depth below ground surface ft. and attach sample results.								
(5) Attach soil sample results and a diagram of sample locations and excavation	ns.								
Additional Comments:									
I hereby certify that the information above is true and complete to the best of t	my knowledge and belief. I further certify that the above-described pit or below-grade tank								
has been/will be constructed or closed according to NMOCD guidelines	⊠, a general permit □, or an (attached) alternative OCD-approved plan □.								
Date: <u>7/7/2005</u>	MIAKAN III / MILLER OLAN								
Printed Name/Title MICHAEL S. DAUGHERTY, V P OPER									
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the or regulations.	relieve the operator of liability should the contents of the pit or tank contaminate ground water or operator of its responsibility for compliance with any other federal, state, or local laws and/or								
Field Supervisor	000								
Approval:	JUL 12 2005								
Printed Name/Title	Signature Date:								

<u>District |</u> 1625 N. Franch Dr. Hobbs, NM 88240 State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

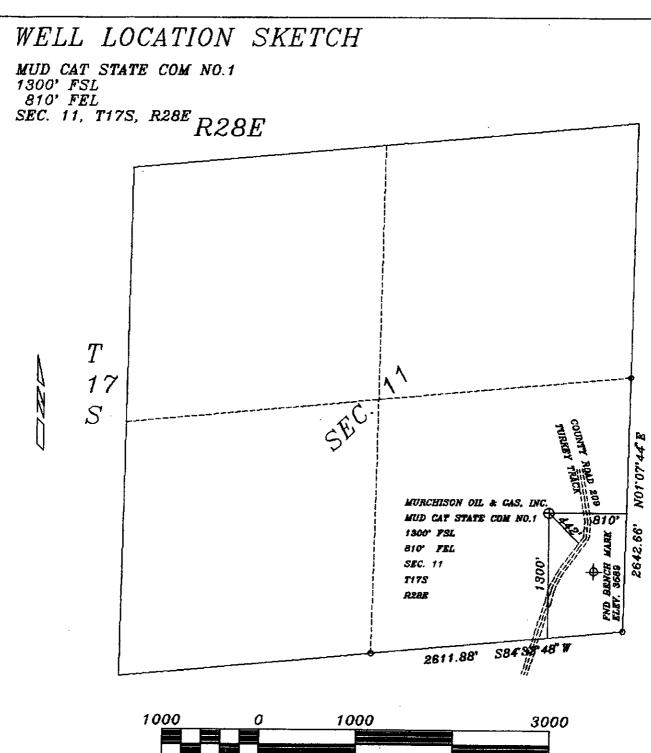
District || 1301 W. Grand Avenue, Artesia, NM 86210

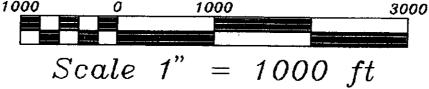
Diebriot IV 1220 S. St. Francis Dr., Souta Fe, NN 87505 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	A1		- 1	Pool Code	<u> </u>						Manue	. ,	
API	Number		•	- 1	Fool Name SOUTH EMPIRE MORROW								
Property Co	de			Prope	SOUTH EMPIRE MORROW						Weil Number		
				i	MUL	CAT	ST	ATE	COM	ſ			1
OGRID No.				Operal						Elevat	Elevation		
015363		<u> </u>		MUL	RCH.	ISON	OII	<u>&</u>	CAS.	INC.		3579	
					Sui	rface	Loc	atio	n				
UL or Let No.	Section	To	wnehip	Range		Lot Idn.		Feet	from the	North/South line	Feet from the	East/West line	County
P	11	17	7-S	28-1	<u>r</u>			1:	300	SOUTH	810	EAST	EDDY
			Bottom	Hole	. 14	cation	Ιf	Diff	erent	From Sui	rface		
UL or Lot No.	Section		wnship	Range	Ť	Lot idin.			from the	North/South line		East/West fine	County
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Dedicated Acres	s Joint or	brifile (Consolidation	n Code	Ord	er No.							
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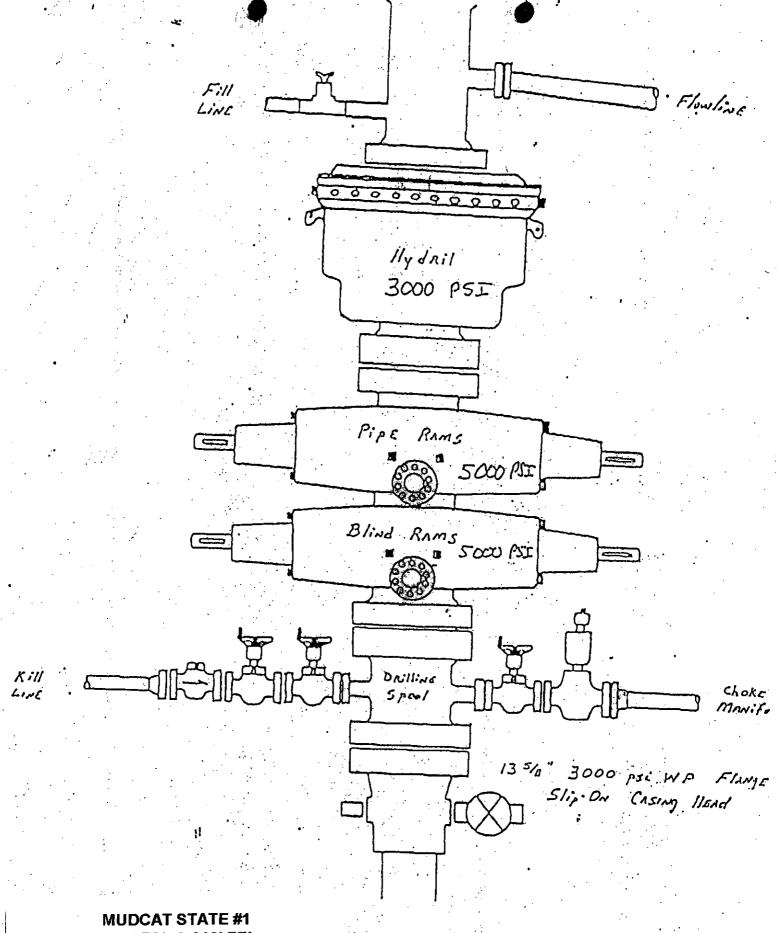




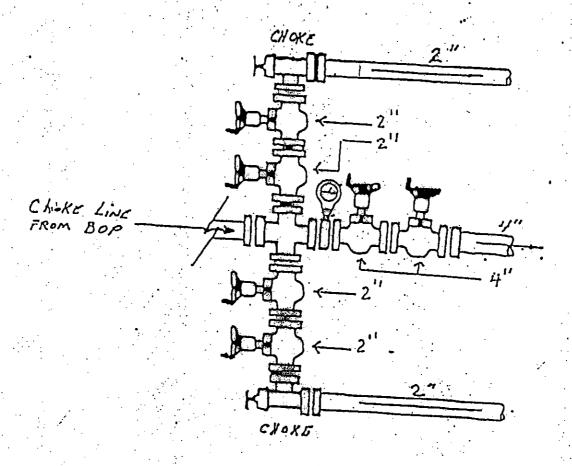
• GLO BRASS CAP FOUND • NGS BENCH MARK (SEE TOPO MAP)

PREPARED FOR: MURCHISON OIL & GAS, INC. PREPARED BY: DAN R. REDDY, NM PE&PS #5412 DATE 6/28/05

RED LAKE QUADRANGLE NEW MEXICO-EDDY CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) 104°07'30" —_____32°52'30" 560 000 FEE* T 16.5 35 T 17 S 680 000 FEET 50 ***32**



MUDCAT STATE #1 1300' FSL & 810' FEL SEC. 11, T17S, R28E EDDY CO., NM.



MUDCAT STATE #1 1300' FSL & 810' FEL SEC. 11, T17S, R28E EDDY CO., NM.

MURCHISON OIL & GAS, INC.

MUDCAT STATE #1 SEC. 11, T17S, R28E 1300' FSL & 810' FEL EDDY CO., NM.

MUD PROGRAM

<u>DEPTH</u>	WEIGHT	CHLORIDES	VISCOSITY	FILTRATE
0' – 200'	8.4	0 – 51K	32 – 36	NO CONTROL
200' – 2,200'	8.4 – 10.0	0 – 200K	28 – 29	NO CONTROL
2,200' - 6,800'	8.4 – 8.8	0 – 10K	28 – 29	NO CONTROL
6,800' – 9,500'	8.6 – 8.8	40 – 60K	28 – 29	25 WL
9,500' — 10,500'	8.8 - 9.4	50 – 70K	28 – 29	6 – 8 WL

PH to be maintained at 10 or above

Submitted with Fm. C-101 & C-102



MURCHISON OIL & GAS. INC.
MURCHISON PROPERTIES, INC.

July 7, 2005

Mr. Bryan Arrant State of New Mexico Oil Conservation Commission 1301 W. Grand Avenue Artesia, New Mexico 88210 FECEIVED

JUL 1 1 2005

OCD-ARIEBIA

RE: MUDCAT STATE #1 1300' FSL & 810' FEL SEC. 11, T17S, R28E EDDY CO., NM.

Dear Bryan:

This letter is in reference to the OCD's requirements for H2S contingency plan for the above captioned well. No H2S is expected in the drilling of the above captioned well. H2S detection equipment will be installed prior to the top of the Delaware formation as a precautionary measure.

Very truly yours,

MURCHISON OIL & GAS, INC.

Michael S. Daugherty
Vice President Operation

Vice President Operations

MSD/ct/MudcatSt#1-OCDH2S