District I 1625 N. French Dr., Hobbs. N.M. 88240 District II 1301 W. Grand Ave., Artesia, N.M. 88210 District III 1000 Rio Brazos Rd., Aztec, N.M. 87410

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee lease - 5 Copies

OIL CONSERVATION DIVISION 1220 S. St. Francis Dr. Santa Fe, NM 87505

District IV						0					_	
1220 S. St. Francis	Dr.,, Santa Fo	e, N.M. 87	505							AMEN	DED REPORT	
APPLICA	TION I	FOR I	PERMIT	TO DRI	LL. RE - El	NTER. DE	EPE	N. PLUGB	ACK.	OR AI	DD A ZONE	
THT DIO!	110111	0111		¹ Operator Nar		· · · · · · · · · · · · · · · · · · ·					ID Number	
			-	ose Opera	_			DE0511/5	_	184860		
				O. Box 95				RECEIVE	ט	3 API	Number	
			Midla	nd, TX 79	9702			SEP 1 0 200	4	30-0 15	- 33634	
4 Property	Code				5 Pr	operty Name	9	88-ARTE	819		6 Well No.	
26	5081			<u> </u>	Aı	tesia Unit		······································			86	
					7 Surface	Location						
UL or Lot No.	Section	Towns	hip Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/W	est line	County	
В	35	175	3 28E	<u> </u>	990'	North		1650'	<u> </u>	East	Eddy	
				ed Bottor	n Hole Loca			t From Sur	face			
UL or Lot No.	Section	Towns	hip Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/W	est line	County	
		9. Pn	oposed Pool	 1	<u> </u>	<u> </u>		10. Pro	posed Po	ool 2		
Artesia	, Queer		•	Andres ((03230)							
11. Work 7	ype Code		12. Well	vne Code	13. Ca	ble/Rotary	1	14. Lease Type C	ode	15. Gr	round Level Elevation	
N			C	-		R			3659'			
16. N	fultiple		17. Propos	=	f ·	Formation 19. Contractor				20. Spud Date		
no	<u> </u>		350	00'	San A	ndres		United Drlg	<u>, </u>	1	0/9/04	
				21. Propo	sed Casing	and Cemer	nt Pro	gram				
Hole Si	ze	(Casing Size	Casi	ng weight/foot	Setting D	epth	Sacks o	f Cement	1 1	Estimated TOC	
12 1/4"			8 5/8"		24#	38Q	400	275			surface	
<i>7 7/</i> 8"		4]	/2" /5 1/2"		9.5/17#	3500	•	600) sx		surface	
		· · · · · · · · · · · · · · · · · · ·						. 				
22 Describe t	he proposed	l necorrar	n If this is to	DEEDEN of E	LUG BACK give	the date on the	nrecent :	nraduativa zona	and prope	need new n	nodustiva	
		• -			ditional sheets if r		presem j			osed new pr	roductive	
		•		•				400				
					I" hole to 38							
					rface. Drill						set	
		-		_	ing to TD, c	-		sx Cl C, cit	rculati	ng to	:	
		Sui	Tace. W	li pertorai	e and stimul	late and tes	it.					
		ι	itial Per	nit evnire	d - this is a r	e-file)						
		(111	ium i Ci	int expire	u - uns 15 a 1	C-IIIC)						
	·											
I hereby certification of my knowledge	•	uformation	n given above	is true and com	plete to the best	OI	L CO	NSERVA'	ΓΙΟΝ	DIVIS	ION	
Signature:	un veliti.	11	rest of	11	A	pproved by:						
Printed Name:		100	C Gu	Dianti-		itle:				A W. C		
Title:		Dani		Ritchie	······	pproval Date:	CED	DIST	RICT	Date	PERVISOR	
Date:			latory A	•		onditions of App		2 2 2004		SEP	2 2 2005	
	9-2-04	4		432 684		ttached:						

State of New Mexico 85241-1880 Racrgy, Minerals and Hatural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
For Lease - 3 Copies

RICT III Rio Brazos Ed., Aztoc, NM 67410

DISTRICT IV P.O. BOX 2008, BANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe. New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		T	Pool Code		Pool Name													
		03230			Art	Artesia, Queen-Grayburg-San Andres							Artesia, Queen-Grayburg-San Andres						
Property (Code				Property Na			Well Number											
		ļ			ARTESIA U	INIT		86											
OGRID N	D.				Operator Na			Elevation	_										
184860				MELR	OSE OPERA	TING CO.		3679	}										
					Surface Loc	ation													
UL or lot No.	Section	Townsh	ip Range	Range Lot Idn Feet from		North/South line	Feet from the	East/West line	County										
В	35	17 S	28 E		990	NORTH	1650	EAST	EDDY										
			Bottom	Hole Loc	cation If Diff	erent From Sur	face												
UL or lot No.	Section	Townshi	p Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County										
	· 				ļ														
Dedicated Acres	Joint o	r Infill	Consolidation	Code Or	der No.														
	ĺ	x																	
NO ALLO	WABLE W					UNTIL ALL INTER		EEN CONSOLIDA	ATED										
					1 -1		7												

	DARD UNII HAS BEEN APPROVED DI IN	
·		OPERATOR CERTIFICATION
	, , , , , , ,	I hereby certify the the information contained herein is true, and complete to the best of my inculsion and beful.
	1650'	Mus Valetico
		Ann E. Ritchie Printed Name
1	1	Regulatory Agent
		11-28-00 915 684-6381 Date
1	1 .	SURVEYOR CERTIFICATION
		I hereby certify that the well location shown on this plat was platted from field notes of actual surveys made by me or under my supervisor, and that the same is true and correct to the best of my belief.
		NOVEMBER 09, 2000 Date Surveyed
		Genally Eulson 11/15/00
		Cartificate No. RONALD EIDSON 3239 GERY EIDSON 12641

Dkinct I

Printed Name/Title

162~; N. French Dr. I I obbs. NM SN 240 Ditricl 11 130 I W. Grand Ax coue. Arte,ia. NNI I;N2 I 0 1000 Rio Brazos Road. Aztec, N'VI S7410 Ditrict IV
1220 S. St. Francis Dr., Santa Fc. NX4 87i()~,

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

Oil Conservation Division

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

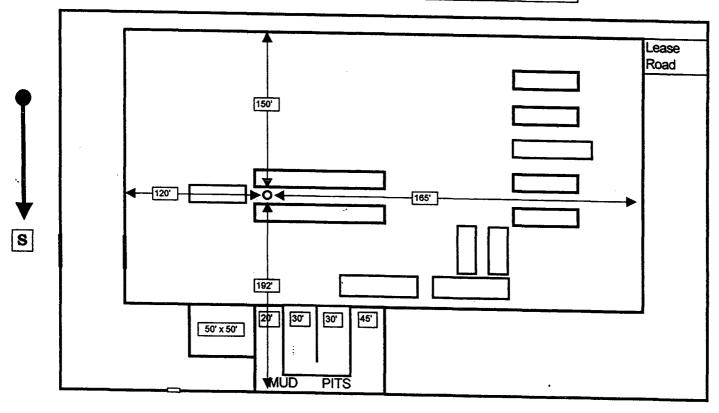
Form C-144

June 1, 2004

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

Pit or Below-Grade Tank Registration or Closure Is pit below grade tank covered by a "general plan"" Yes No Type of action: Registration of a pit or beloew-grade tank. Cloures of a pit of below-grade tank. Operator: Melrose Operating Company Telephone: 432 846381 e-mail address: ann.ritchie@wtor.net Address: c/o P.O. Box 953, Midland, TX 79702 See 35 T175 R 28E Facility or well name: Artesia Unit, Well #86 API 4 pending U/L or Qtr/Qtr_B NAD: 1927 1983 Surface Owner Federal State Private Indian Latitude Longitude Eddy Below-grade tank Type: DrillingX_Production [] Disposal [] Volume: ____bbl Type of fluid: Workover Emergency Construction material: Double-walled, with leak detection? Yes 0 If not, explain why not. Lined Unlined Lincr type: Synthetic X Thickness 20 Mili Clav Pit Volume 6000 bbl Less than SO feet (20 points) Depth to ground water (vertical distance from botto RECEIVED no feel or more, bui less than I 00 feet (10 points) water elevation of ground water.) 275 100 feet or more (points) () 100 ft. SEP 1 0 2004 (20 points) **BABBARTESIA** Wellhead protection area: (Less than 200 feet from a private domestic (0 points) water source, or less than 1000 feet from all other water sources.) Nο Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less flum 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) I 000 feet or more (0 points) 1000 ft or more 0 Points Ranking Score (Total Points) Iffibis is a oil closure. (I) auach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box ifyou are burying in place) onsite: Offsite O If offsite, name of facility (3) Attach a generall description of remedial action taken including, remediation start date and end date (4) Groundwater encountered: No 0 Yess If yes, show depth below ground surface FL and attach ,ample results. (:,) Attach soil sample results and a diagram of sample locations and excavations Additional Comments: I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further cartify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidefines X . a general pemit, or an (straches) affernative OCD-approved plan Printed Name titte Ann E. Ritchie, Regulatory Agent Your certification and NMOCD approval of thisapplication/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator offits responsibility for compliance with any other federal, state, or local laws and/or regulations. Approval: SEP 13 2004

Melrose Operating Company
Drilling Rig Pad Schematic
Artesia - Unit well #86
Eddy County, New Mexico
Wellbore is 40' North of the pit



September 15, 2004

RECEIVED
SEP 1 7 2004
OCH PRIESIA

Bryan Armant
Oil Conservation Division
1301 W. Grand Ave.
Artesia, NM 88210

RE: Melrose Operating Company, Artesia, Queen-Grayburg-San Andres Pool, Artesia Unit, Township 17S, Range 28E, Eddy County, New Mexico

Concerning the above referenced Artesia Unit, operated by Melrose Operating Company, please see attached a copy of the Duke Energy Field Services gas statement. Please note on the "Analysis" that the H2S Mol% concentration is 0.4970. This letter and statement are being submitted to comply with the NMAC Rule 118 concerning drilling operations.

As per the Oil Conservation Division, Rule 118, the gas produced from the Artesia Unit is less than 100 ppm. According the the field supervisor and as per the gas statement, this unit/pool is not in a gas producing area where there is a "substantial probability of encountering H2S in concerntrations of 100 ppm or more" (Rule 118). There are no public dwelling located on the Unit or within 1/4 mile of the Artesia Unit to the best of my knowledge.

Please let us know if you need any further information concerning the gas production from the Artesia Unit, or any information concerning the drilling program for this unit.

Yours truly.

Ann E. Ritchie, Regulatory Agent Melrose Operating Company

c/o P.O. Box 953 Midland, TX 79702 (432) 684-6381 (432) 682-1458-fax

ann.ritchie@wtor.net

attachment - gas analysis



A New Kind of Energy

Production Date: July 2004 Statement Date: August 19, 2004

PERCENT OF PROCEEDS STATEMENT (Fixed Recoyery)

Recipient: 1254991

MELROSE OF CO

8/19/2004 8/19/24AX)

		, ' I			Lease Inform	aHon		er, to		,
•	Settle ID	Раутскі 10	Lease Name		Facility Name	State	Contract ID	Operator Name/10		Pressure Base
	700317	068370031700	ARTESIA UN B	ATT #1 (1)	NM SOUR SUPERSYSTEM	NМ	AR T064001R	MELROSE OP CO 1254991		;4.650
					Settlement Su	medary				
	System		LOW							
	Rafe per Mi	CP.	6.43432	Component Value	Residue Value		Fees & Adjustments	Gross Value		Net Value
	Rate per Mi		4.36463	\$ 3,202.16	\$ 1,532.40		\$ 121.15	\$ 4,613.41		\$ 4,613.41

Wellhead Information	0					Compenent Se	ttlement				
Gross WII:	MCF 717.00	MMBTU 1,857.00		Theoretical Gallons	Fixed Recoveries	Allocated Gallons	Shrink MMBTU	Contract %	Seniement Gallons	Price	Component Value
Altocation Decimal:		1.0000000	H2S				2.18				
Paystation:	717.00	1,057.00	ETHANE	2,413.38	0.8900	1,938.71	128.14	75.00	1,448.03	0.4359153	\$631.22
			PROPANE	1,734.09	0.9000	1,560.68	142.96	75.00	1,170.51	0.6844570	\$801.16
Raw Field Deducts	-50.19	-73,99	ISO-BLTANE	134,39	0.9700	324.36	32.32	75.00	243.27	0.8311534	\$202.20
Nes Delivered:	666.81	983.01	NORMAL BUTANE	858.96	0.9700	833.19	86.42	75.00	624.89	0.8053796	\$503.27
			PENTANES PLUS	1,509.39	0.9900	1,494.30	170.94	75.00	1,120.72	0.9496653	\$1,064.31
Weilhead BTU	(14.650W):	1.4742									
Gas Factor:	0.9798				44			-			·
2 Factor:	0.9935		1	6,850.21	7 - F	6,143.24	562.96		4,607.42	,	\$3,202.16

						Residue Settle	nent						
	Net Delivered MMBTU	Shrink	Fuel/Flare	Theoretical Residue	Allocated Residue			Net Residue MCF	Net Residue MMBTU	Settlement	Settlement Residue	Price	Residue Value
٠,	979.97	562.96.	63.23	353.78	353.78	0.00		356.56	353.78	75.00	265.34	5.7753000	\$ 1,532.40

Fees / Adjustments	Fee Rate	Value	Г	A	alysis	
التكريب المراجع المستهدات المراجع المتناف المراجع				Components	Mol %	GPM :
H2S TREATING	0.1442	\$103.41		Helium	0.0000	
NEW MEXICO GAS PROC	0.0186	517.74	Н	Nitrogen	5.3250	
				Carbon Dioxide	4.2140	
			X	H2S	0.4970	
•		•	4	Other Inerts	0.0000	
Plant Product Volu				Methane	54.9930	
	outs		Н	Ethane	13.8070	3.6700
Plant BTU 0.9954				Propune	9.6300	2.6370
			Н	Iso Butane	1.5630	0.5085
				Nor Butane	4.1660	1.3062
			П	iso Pentane	1.5920	0.5794
			П	Nor Pentane	1.5200	0.5475
			П	Hexanes Plus	2.6930	1.1684
		:		Totals	100.0010	10.4170
			H			

	Cont	ncis		
Primary:	LILLIE G HEREDIA (432) 620-4072	,		
Measwement:	ANITA STOKER (303) 605-1999	Contracts:	BOB BROWN (432) 620-4209	
Taxes:	ROGER RADEBAUGH (948) 523-4169			
	. Com	neati		
		/		