

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1201 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

☐ AMENDED REPORT
☒ Permit renewal request

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

Operator Name and Address Melrose Operating Company		OGRIS Number: 184860
Property Code 26081	Property Name Artesia Unit	Well No. 103
Proposed Pool 1: Artesia, Queen-Grayburg-San Andres (03230)		Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	3	18S	28E		1110'	South	2495'	East	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3647'
Multiple No	Proposed Depth 3500'	Formation San Andres	Contractor United Drilg.	Spud Date 7-5-06
Depth to Groundwater: 300-350'		Distance from nearest fresh water well: over 1/4 mile		Distance from nearest surface water: none
Pit: Liner: Synthetic X 12 mils thick Clay <input type="checkbox"/> Pit Volume: 4800 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel Oil-based <input type="checkbox"/> Gas Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	8 5/8"	24#	450'	275 sx	Surface
7 7/8"	5 1/2"	15 5#	3500'	600 sx	Surface

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Propose to drill to 12 1/4" hole to 450'. Run & cement surface casing.

Drill to approximately 3500', set OH cement w/600 sx Premium cement. WOC.

Renewal of permit issued 3-9-04.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines X, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed name: Ann E. Ritchie

Title: Regulatory Agent

E-mail Address: ann.ritchie@wtor.net

Date: 7-25-06

Phone: 432 684-6381

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARANT
DISTRICT II GEOLOGIST

Title:

Approval Date: AUG 02 2006

Expiration Date: AUG 02 2007

Conditions of Approval Attached ☐

[illegible]