

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

OCT 26 2004

☐ AMENDED REPORT

PLUG BACK, OR ADD A ZONE

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

¹ Operator Name and Address Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		² OGRID Number 013954
		³ API Number 30 - 005 - 53696
⁴ Property Code	⁵ Property Name Lackey Fee #1	⁶ Well No. 1
⁹ Proposed Pool 1 WC; Mississippian		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	12S	28E		1300	South	660	West	Chaves

⁸ 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

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3618
¹⁶ Multiple No	¹⁷ Proposed Depth 7800'	¹⁸ Formation Mississippian	¹⁹ Contractor United	²⁰ Spud Date ~11/1/04
Depth to Groundwater 225'		Distance from nearest fresh water well 1000 feet or more		Distance from nearest surface water 1000 feet or more
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 7500_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	#48	250'	285sx	Surface
11"	8-5/8"	#24	1750'	500sx	Surface
7-7/8"	5-1/2"	#15.50/#17	7900'	1155sx	1200'

²² 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.

Drill 17-1/2" Hole to 250' - Run 13-3/8" #48/ft J-55 casing to TD, Cement w/sufficient cement to circulate cement to surface - WOC 18 hrs prior to drilling on shoe - Prior to drilling out in 11" hole, NU 3k working pressure BOP and test to 500# - Drill 11" hole to 1750' - Run 8-5/8" #24/ft casing to TD, Cement w/sufficient cement to circulate cement to surface - WOC 12hrs prior to drilling on shoe - Prior to drilling out in 7-7/8" hole, NU 3k working pressure BOP and test to 1000# (BOP diagram attached) - Drill 7-7/8" hole to 7900' - DST well as necessary during drilling operations - At TD Log well - If well is commercially productive, Run 5-1/2" #15.50/ft & #17/ft casing to TD, 2-Stage Cement Operation w/Multi-stage cementing tool ~ 6800', Cement w/sufficient cement to bring TOC to 1200' (~ 550' tie back into 8-5/8" Casing) - If non-productive, Plug & Abandon well as per NMOCD instructions

²³ 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 ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐

Printed name: Toby Solis

Title: Engineer

E-mail Address:

Date: 10/25/04

Phone: (505) 623-1996

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

Title:

DISTRICT II SUPERVISOR

Approval Date:

NOV 01 2004

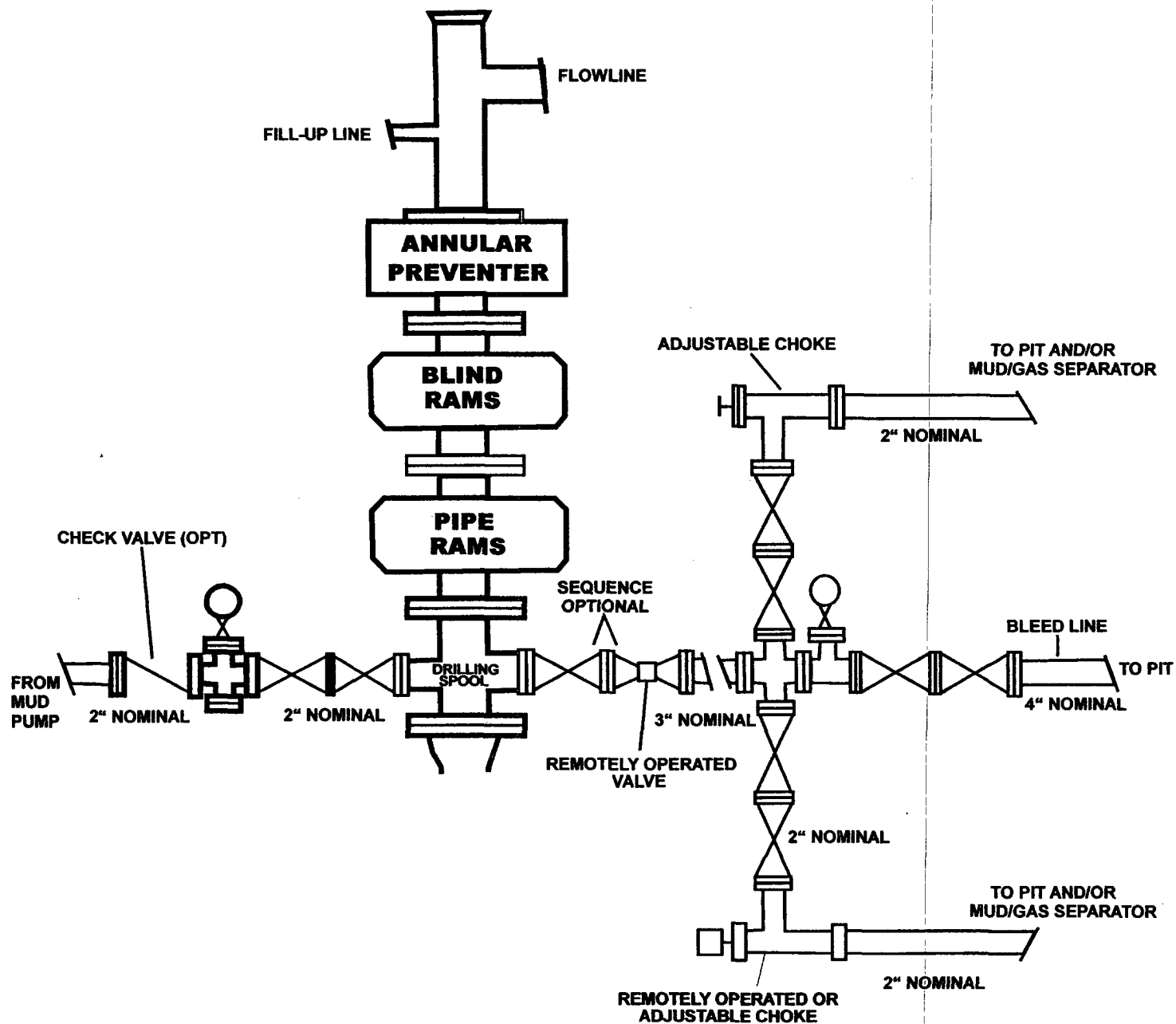
Expiration Date:

NOV 01 2005

Conditions of Approval Attached ☐

MANZANO LACKEY-FEE #1

BOP DIAGRAM 3000# SYSTEM



District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-8719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number		* Pool Code		* Pool Name	
* Property Code		* Property Name LACKEY			* Well Number 1
* OGRID No. 013954		* Operator Name Manzano Oil Corporation			* Elevation 3618

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	33	12 S	28 E		1300	SOUTH	660	WEST	CHAVES

¹¹ 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

¹² Dedicated Acres 320	¹³ Joint or Infill N	¹⁴ Consolidation Code	¹⁵ Order No.
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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

					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Toby Solis Printed Name Engineer Title 10/26/04 Date				
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> October 20, 2004 Date of Survey R. R. Patton Signature and Seal of Professional Surveyer: Certificate Number 8112				

Manzano, LLC

P.O. Box 2107

Roswell, New Mexico 88202-2107

(505) 623-1996

October 26, 2004

New Mexico Oil Conservation Division – District 2
1301 W. Grand Avenue
Artesia, NM 88210

Attn: Van Barton

RE: Application For Permit To Drill (C-101)
Amended Report & H2S Rule Compliance
Lackey Fee #1
Section 33 – T12S – R28E
Chaves County, NM

RECEIVED

OCT 27 2004

NOB-ARTESIA

After reviewing submitted form C-102, an error was found regarding the location presented for our well. Please find attached, amended form C-102 submitted in triplicate.

Also, regarding H2S, please find attached form C-103 submitted in triplicate explaining potential hazard levels for our proposed location.

Sincerely,



Toby Solis, Engineer

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
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1000 Rio Brazos Rd., 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-103
May 27, 2004

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

WELL API NO.

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Lackey Fee

8. Well Number #1

9. OGRID Number

013954

10. Pool name or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

Manzano Oil Corporation

3. Address of Operator

P.O. Box 2107 Roswell, NM 88202-2107

4. Well Location

Unit Letter M : 1300 feet from the South line and 660 feet from the West line
Section 33 Township 12S Range 28E NMPM County Chaves

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3618 GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Searches of drilling records from the immediate area of this location indicate that H2S has not been encountered during previous drilling in this area. In addition, from communication with pumper from the area, indicated that H2S has not been a problem during the production phase of wells in the area. As there is no indication of any potentially hazardous volumes of H2S, we respectfully request that you approve the Application for Permit to Drill for the above referenced well without a H2S Contingency Plan.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any 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 ☐.

SIGNATURE _____ TITLE Engineer DATE 10/26/04

Type or print name Toby Solis E-mail address: Telephone No. (505) 623-1996

For State Use Only

APPROVED BY: _____ FOR RECORDS ONLY DATE NOV 01 2004

Conditions of Approval (if any):