

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and 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
PO BOX 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

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

¹ Operator Name and Address Manana Gas, Inc. c/o Walsh Engineering 7415 E. Main St., Farmington, NM 87402		² OGRID Number 13931
⁴ Property Code 3.3159	⁵ Property Name Crooked Seams	³ API Number 30 - 0 45-32012
		⁶ Well No. 1

⁷ Surface Location

UL or lot no. P	Section 14	Township 30N	Range 12W	Lot Idn	Feet from the 716'	North/South Line South	Feet from the 1225'	East/West Line East	County San Juan
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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
⁹ Proposed Pool 1 Basin Fruitland Coal					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 5529'
¹⁶ Multiple No	¹⁷ Proposed Depth 2000 +/-	¹⁸ Formation Pictured Cliffs	¹⁹ Contractor	²⁰ Spud Date 12/15/03

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/feet	Setting Depth	Sacks of Cement	Estimated TOC
8-3/4"	7"	20#	120	30 sx (36 cu.ft.)	Surface
6-1/4"	4-1/2"	10.5#	2000	145 sx + 100 sx (292 cu.ft. + 118 cf)	Surface

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.

Manana Gas, Inc., proposes to drill a vertical well at the above described location and test the Basin Fruitland Coal formation. A 8-3/4" surface hole will be drilled to 120' where 7", 20# casing will be set and cemented to surface with 36 cu.ft. of neat cement. After WOC, a 2000 psi double ram or annular preventer will be installed and pressure tested to 600 psi. A 6-1/4" hole will be drilled with mud to approximately 2000'. Open hole logs will be run. 4-1/2" production casing will be run and cemented to surface with 292 cu.ft. of CI "B" cement with 2% SMS and 1/4 #/sk Celloflake and 118 cu.ft. of neat cement. The Fruitland Coal formation will be selectively perforated and completed Ojo Alamo - 375'; Kirtland - 560'; Fruitland - 1390'; Pictured Cliffs - 1845'. The well will be connected to El Paso Field Services gathering system.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: Paul C. Thompson

Title: Agent

Date: 11/16/03

Phone: (505) 327-4892

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Conditions of Approval

Attached ☐

Expiration Date:

NOV 18 2003 NOV 18 2004

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 15-71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code	⁵ Property Name CROOKED SEAMS	⁶ Well Number 1
⁷ GRID No. 13931	⁸ Operator Name MANANA GAS, INC.	⁹ Elevation 5529.31

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
P	14	30N	12W		715.98	SOUTH	1224.88	EAST	SAN JUAN

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 Y	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

<div>16</div> <div>SECTION 14</div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <div><div>Paul C. Thompson</div><div>Signature</div><div>PAUL C. THOMPSON</div><div>Printed Name</div><div>AGENT</div><div>Title</div><div>11/15/03</div><div>Date</div></div>	
	<div>18 SURVEYOR CERTIFICATION</div> <p>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.</p> <div><div>OCTOBER 31, 2003</div><div>Date of Survey</div><div><div>Signature and Seal of Professional Surveyor</div><div>JOHN D. WAIN</div><div>NEW MEXICO</div><div>11/14/03</div></div></div>	
	<div>Certificate Number N.M. PLS #9673</div>	
	<div>1224.88'</div> <div>715.98'</div>	