

Amended NSL-4568 3/5/02
BHL approximately 260/N & 1163/E,
Devonian, 41.43 acres

BHL per Paul 264/N & 1187/E,
A-2-14s-37e

NSL-4568 3/27/01 330/N & 1200/E, 41.43 ac, Devonian

(A) 2-148-37e 30-025-35499 LE
Rum Point State #1

Sheed
UPC 15330
No. 153C
HASTINGS, MN



OPER. OGRID NO. _____
PROPERTY NO. _____
POOL CODE _____
EFF. DATE 4-5-01
API NO. 25-35499

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Reformatted July 20, 2001

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

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107		² OGRID Number 013954	
⁴ API Number 30 - 0 25-35499		³ Reason for Filing Code/ Effective Date RC & AG	
⁵ Pool Name King, Wolfcamp		⁶ Pool Code 36100	
⁷ Property Code 27845		⁸ Well Number 1	

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	Feet from the	East/West line	County
A	2	14S	27E	1	330	North	1222	East	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South	Feet from the	East/West line	County
A	2	14S	27E	1	163	North	1155	East	Lea
¹² Lse Code S	¹³ Producing Method Code P	¹⁴ Gas Connection Date 8/23/02 est	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
138648	BP Pipelines N. America 502 N. West Avenue Levelland, TX 79336	2831034	0	Same
024650	Dynegy 1000 Louisiana Houston, TX 77002-5050	2832699	6	

IV. Produced Water

²³ POD 2831688	²⁴ POD ULSTR Location and Description Same
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V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBD	²⁹ Perforations	³⁰ DHC, MC
10/9/01	1/16/02	12,565	10,900	9362-9400	
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 1/2	13 3/8	406	415 sx - Circ		
12 1/4	9 5/8	4600	1295 sx - Circ		
7 7/8	5 1/2	12565	960 sx - TQC05960		
5 1/2	2 7/8	9450			

VI. Well Test Data

³⁵ Date New Oil	³⁶ Gas Delivery Date	³⁷ Test Date	³⁸ Test Length	³⁹ Tbg. Pressure	⁴⁰ Csg. Pressure
7/14/02		7/19/02	24 hrs	n/a	n/a
⁴¹ Choke Size	⁴² Oil	⁴³ Water	⁴⁴ Gas	⁴⁵ AOF	⁴⁶ Test Method
n/a	186	8	110		Pump

⁴⁷ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Michael Hanaqan*

Printed name: Michael Hanaqan

Title: Agent

Date: 8/19/02 Phone: (505) 623-1996

Approved by:

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

Approval Date: AUG 28 2002

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REFERENCE SHEET FOR UNDESIGNATED WELLS

1. Date:	8/27/02
2. Type of Well:	Oil Well Gas Well
3. County:	Lea

4. Operator Name:		API NUMBER	
Manzano Oil Corp		30-025-35499	
5. Address of Operator:			
PO Box 2107 Roswell NM 88202			
7. Lease name or Unit Agreement Name:		7. Well No.	
Bum Point State			
8. Well Location			
Unit Letter A : 330 feet from the N line and 1222 feet from the E line			
Section 2 Township 14S Range 37E NMPM			
9. Completion Date:		11. Perfs top bottom	
7/14/02		9362 9400	
10. Name of Producing Formation:		12. Open Hole casing shoe PBT or TD	
Wolfcamp			
14. C-123 Filed:		15. Name of Pool Requested:	
		King Wolfcamp <36100>	
16. Remarks			
Ext			

TO BE COMPLETED BY DISTRICT GEOLOGIST											
17. POOL NAME									18. POOLID #		
T	S, R	E	T	S, R	E	T	S, R	E			
Sec			Sec			Sec					
Sec			Sec			Sec					
Sec			Sec			Sec					

19. ADVERTISED FOR HEARING:		20. CASE NUMBER:	
21. Name of pool for which was advertised.			
22a. Placed in Pool		22b. By order number	

Submit To Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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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-105
Revised March 25, 1999

WELL API NO.	30-025-35499
5. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.	VO-5839

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	7. Lease Name or Unit Agreement Name RUM POINT STATE
b. Type of Completion: NEW <input type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input checked="" type="checkbox"/> DIFF. <input type="checkbox"/> WELL OVER BACK RESVR. <input checked="" type="checkbox"/> OTHER	8. Well No. 1
2. Name of Operator MANZANO OIL CORPORATION	9. Pool name or Wildcat KING, WOLFCAMP
3. Address of Operator P.O. BOX 2107 - ROSWELL, NM 88202-2107 (505) 623-1	

4. Well Location Unit Letter A : 330 Feet From The NORTH Line and 1222 Feet From The EAST Line Section 2 Township 14S Range 37E NMPM LEA County					
10. Date Spudded 10/9/01	11. Date T.D. Reached 11/27/01	12. Date Compl. (Ready to Prod.) 1/16/02	13. Elevations (DF& RKB, RT, GR, etc.) 3858 RKB	14. Elev. Casinghead 3842'	
15. Total Depth 12,565	16. Plug Back T.D. 10,900	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By 0-12,565	Rotary Tools	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 9,362'-9,400' (WOLFCAMP)				20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run GR-NEU-DEN-HIRES LL-SONIC			22. Was Well Cored NO		

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	68 #/FT	406'	17 1/2"	415sx-CIRC	0
9 5/8"	47#/FT	4600'	12 1/4"	1295sx-CIRC	0
5 1/2"	20#/FT	12565'	7 7/8"	960sx-toc@59	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
2 7/8"					2 7/8"	9450	
26. Perforation record (interval, size, and number) 9362'-9400' W/115 HOLES				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 9362'-9400' AMOUNT AND KIND MATERIAL USED 15,000gl 15% NeFe acid			

28. PRODUCTION							
Date First Production 7/14/02		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping			Well Status (Prod. or Shut in) Producing		
Date of Test 7/19/02	Hours Tested 24	Choke Size n/a	Prod'n For Test Period	Oil - Bbl 186	Gas - MCF 110	Water - Bbl 8	Gas - Oil Ratio 591:1
Flow Tubing Press. n/a	Casing Pressure n/a	Calculated 24-Hour Rate	Oil - Bbl 186	Gas - MCF 110	Water - Bbl 8	Oil Gravity - API - (Corr.) 44	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented	Test Witnessed By M. Hanagan
--	---------------------------------

30. List Attachments None

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature 	Printed Name Mike Hanagan	Title Agent	Date 8/19/02
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INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy 2190	T. Canyon
T. Salt	T. Strawn
B. Salt	T. Atoka 11270
T. Yates 3160	T. Miss 11712
T. 7 Rivers	T. Devonian 12502
T. Queen 3760	T. Silurian
T. Grayburg	T. Montoya
T. San Andres 4318	T. Simpson
T. Glorieta	T. McKee
T. Paddock	T. Ellenburger
T. Blinebry	T. Gr. Wash
T. Tubb 7340	T. Delaware Sand
T. Drinkard	T. Bone Springs
T. Abo	T.
T. Wolfcamp 9360	T.
T. Penn	T.
T. Cisco (Bough C)	T.

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 12530 to 12565
No. 2, from 9382 to 9400

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

Clear

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

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1301 W. Grand Avenue, Artesia, NM 88210

District III

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

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

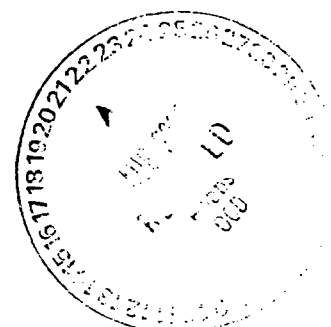
Form C-103
Revised March 25, 1999

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.)		WELL API NO. 30-025-35499
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator MANZANO OIL CORPORATION		6. State Oil & Gas Lease No. VO-5839
3. Address of Operator P.O. BOX 2107 - ROSWELL, NM 88202-2107		7. Lease Name or Unit Agreement Name: RUM POINT STATE
4. Well Location Unit Letter A 330 feet from the NORTH line and 1222 feet from the EAST line Section 2 Township 14S Range 37E NMPM LEA County		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3858' RKB		9. Pool name or Wildcat KING, WOLFCAMP

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data	
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/> OTHER: PLUG BACK & RE-COMplete <input checked="" type="checkbox"/>

12. 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 recompilation.

7/10/02 SET CIBP @ 12515' & CAP W/35' CLASS H CEMENT
SET CIBP @ 10900' & CAP W/35' CLASS H CEMENT
PERFORATE U/WOLFCAMP FROM 9362'-9400' W/3SPF
7/11/02 ACIDIZE W/15,000gl GELLED 15% NeFe ACID
7/12-7/18 PRODUCTION TEST
7/18/02 HUNG WELL ON PUMP & PUT ON PRODUCTION



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

SIGNATURE Mike Hanagan TITLE AGENT DATE 8/20/02

Type or print name MIKE HANAGAN Telephone No. (505) 623-1996
(This space for State use)

APPROVED BY PAUL F. KAUTZ DATE AUG 28 2002
Conditions of approval, if any: PETROLEUM ENGINEER

555

7/11/02 - Production

District I
1525 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, 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 30-025-35499
⁴ Property Code 27845	⁵ Property Name Rum Point State	⁶ Well No. 1

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
A	2	14S	37E		330	North	1222	East	Lea

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 King; Upper Wolfcamp					¹⁰ Proposed Pool 2				

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3842
¹⁶ Multiple	¹⁷ Proposed Depth 9362-9400	¹⁸ Formation Wolfcamp	¹⁹ Contractor Pool Services	²⁰ Spud Date

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

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.

Plan to abandon Devonian perforations & re-complete in Upper Wolfcamp as follows:

1. Abandon Devonian perforations @ 12532'-12539' by setting CIBP @ 12515' & cap with 50' cement
2. Move up hole & set CIBP @ 10900' and cap with 50' cement
3. Perforate Upper Wolfcamp from 9362' - 9400'
4. Stimulate as necessary
5. Flow/Swab back load
6. Put well back to Pump

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Debbi Jeffers</i> Printed name: Debbi Jeffers Title: Agent Date: 7/9/02		<p>OIL CONSERVATION DIVISION ORIGINAL SIGNED BY Approved by: <i>Cathy...</i> OC FIELD REPRESENTATIVE II/STAFF MANAGER Title: Approval Date: JUL 11 2002 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/></p>
--	--	--

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Plug-Back

C-101 Instructions

Measurements and dimensions are to be in inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's name and address.
- 2 Operator's OGRID number. If you do not have one, it will be assigned and filled in by the District office.
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'.
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD.
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
- 12 Well type code from the following table:

O	Single oil completion
G	Single gas completion
M	Miscellaneous
I	Injection well
S	SWD well
W	Water supply well
C	Carbon dioxide well
- 13 Cable or rotary drilling code

C	Propose to cable tool drill
R	Propose to rotary drill
- 14 Lease type code from the following table:

S	State
P	Private
- 15 Ground level elevation above sea level.
- 16 Intend to multiple complete? Yes or No. Attach intended well bore diagram.
- 17 Proposed total depth of this well.
- 18 Geologic formation at TD.
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.

State of New Mexico

Energy, Minerals and Natural Resources Department

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

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35499	Pool Code 36100	Pool Name King Wolfcamp
Property Code 27845	Property Name RUM POINT STATE	Well Number 1
OGRID No. 013954	Operator Name MANZANO OIL CORPORATION	Elevation 3842'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	2	14-S	37-E		330	NORTH	1222	EAST	LEA

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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

LOT 4	LOT 3	LOT 2	LOT 1
			330' 1222'
41.03 AC	41.16 AC	41.30 AC	41.43 AC
<p>GEODETIC COORDINATES</p> <p>NAD 27 N.M.E.Z.</p> <p>Y = 780382.3</p> <p>X = 857349.8</p>			
<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature: <i>[Signature]</i></p> <p>Printed Name: <i>Michael G. Hawley</i></p> <p>Title: <i>Agent</i></p> <p>Date: <i>7/9/02</i></p>			
<p>SURVEYOR CERTIFICATION</p> <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> <p>MARCH 29, 2001</p> <p>Date Surveyed: <i>04/02/01</i></p> <p>Signature & Seal of Professional Surveyor: <i>[Signature]</i></p> <p>Certificate No. <i>01-11-0406</i></p> <p>Certified by: <i>RONALD J. KIDSON 3239</i> <i>GARY KIDSON 12641</i></p>			

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State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-10
Revised March 25, 199

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Manzano Oil Corporation P.O. Box 2107 Roswell, NM 88202-2107 505 623-1996		OGRID Number 013954
Reason for Filing Code NW		
API Number 30-025-35499	Pool Name King, Devonian	Pool Code 35910
Property Code 27845	Property Name Rum Point - State	Well Number 1

II. Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	2	14S	37E	1	330	North	1222	East	Lea

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	14S	37E		264	N	1187	E	
Lee Code S	Producing Method Code P	Gas Connection Date		C-129 Permit Number		C-129 Effective Date		C-129 Expiration Date	

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
138648	BP Pipelines North America 502 N. West Avenue Levelland, TX 79336	2831034	8	
CASINGHEAD GAS MUST NOT BE FLARED AFTER 6/10/02 UNLESS AN EXCEPTION TO R-4070 IS OBTAINED.				

IV. Produced Water

2831034 Same as oil	POD ULSTR Location and Description Same
------------------------	--

V. Well Completion Data

Spud Date	Ready Date	TD	PBTD	Perforations	DHC, MC
10/9/01	1/16/02	12,565	12,555	12,532 - 39	
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement		
17-1/2"	13-3/8"	406'	415 sx - Circ		
12-1/4"	9-5/8"	4600'	1295 sx - Circ		
7-7/8"	5-1/2"	12,565'	960 sx - TOC @ 5960'		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Cig. Pressure
1/16/02		1/18/02	17 hrs	n/a	n/a
Choke Size	Oil	Water	Gas	AOP	Test Method
n/a	32	51	TSTM	n/a	P

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Michael G. Hanagan*

Printed name: Michael G. Hanagan

Title: Agent

Date: 1/21/02 Phone: (505) 623-1996

APPROVED AND SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

APR 11 2002

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

New Mexico Oil Conservation Division
C-104 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°.
Report all oil volumes to the nearest whole barrel.

A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

1. Operator's name and address
2. Operator's OGRID number. If you do not have one, it will be assigned and filled in by the District office.
3. Reason for filing code from the following table:
 NW New Well
 RC Recompletion
 CH Change of Operator
 AO Add oil/condensate transporter
 CO Change oil/condensate transporter
 AG Add gas transporter
 CG Change gas transporter
 RT Request for test allowable (Include volume requested)
 If for any other reason write that reason in this box.
4. The API number of this well.
5. The name of the pool for this completion.
6. The pool code for this pool.
7. The property code for this completion.
8. The property name (well name) for this completion.
9. The well number for this completion.
10. The surface location of this completion. NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. The bottom hole location of this completion.
12. Lease code from the following table:
 F Federal
 S State
 C Coe
 J Jicarilla
 N Navajo
 U Ute Mountain Ute
 I Other Indian Tribe
13. The producing method code from the following table:
 F Flowing
 P Pumping or other artificial lift
14. MM/DD/YY that this completion was first connected to a gas transporter.
15. The permit number from the District approved C-129 for this completion.
16. MM/DD/YY of the C-129 approval for this completion.
17. MM/DD/YY of the expiration of C-129 approval for this completion.
18. The gas or oil transporter's OGRID number.
19. Name and address of the transporter of the product.
20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion, and this POD has no number, the district office will assign a number and write it here.
21. Product code from the following table:
 O Oil
 G Gas
22. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)
23. The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number, the district office will assign a number and write it here.
24. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.).
25. MO/DA/YR drilling commenced.
26. MO/DA/YR this completion was ready to produce.
27. Total vertical depth of the well.
28. Plugback vertical depth.
29. Top and bottom perforation in this completion or casing shoe and TD if openhole.
30. Write in "DHC" if this completion is downhole commingled with another completion or MC if there is more than one non-commingled completion in this well bore. Attach actual completed well bore diagram.
31. Outside diameter of the casing and tubing.
32. Depth of casing and tubing. If a casing liner, show top and bottom.
33. Number of sacks of cement used per casing string.
- The following test data is for an oil well. It must be from a test conducted only after the total volume of load oil is recovered.
34. MM/DD/YY that new oil was first produced.
35. MM/DD/YY that gas was first produced into a pipeline.
36. MM/DD/YY that the following test was completed.
37. Length in hours of the test.
38. Flowing tubing pressure - oil wells
Shut-in tubing pressure - gas wells
39. Flowing casing pressure - oil wells
Shut-in casing pressure - gas wells
40. Diameter of the choke used in the test.
41. Barrels of oil produced during the test.
42. Barrels of water produced during the test.
43. MCF of gas produced during the test.
44. Gas well calculated absolute open flow in MCF/D.
45. The method used to test the well:
 F Flowing
 P Pumping
 S Swabbing
 If other method please write it in.
46. The signature, printed name, and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report.
47. The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person.

Submit To Appropriate District Office

State Lease - 6 copies

Fee Lease - 5 copies

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-105

Revised March 25, 1999

WELL API NO.

30-025-35499

5. Indicate Type of Lease

STATE ☒ FEE ☐

State Oil & Gas Lease No. V0-5839

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

7. Lease Name or Unit Agreement Name

Rum Point - State

b. Type of Completion:

NEW ☒ WORK ☐ PLUG ☐ DIFF. ☐
WELL ☐ OVER ☐ DEEPEN ☐ BACK ☐ RESVR. ☐ OTHER ☐

2. Name of Operator

Manzano Oil Corporation

8. Well No.

1

3. Address of Operator

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

9. Pool name or Wildcat

King, Devonian

4. Well Location

Unit Letter SLR A : 330 Feet From The North Line and 1222 Feet From The East Line
 Section BHL 2 Township 264N 14S Range 37E NMPM Lea County

10. Date Spudded

10/9/01

11. Date T.D. Reached

11/27/01

12. Date Compl. (Ready to Prod.)

1/16/02

13. Elevations (DF& RKB, RT, GR, etc.)

3858 RKB

14. Elev. Casinghead

3842

15. Total Depth

12,565

16. Plug Back T.D.

12,555

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

0 - 12,565'

19. Producing Interval(s), of this completion - Top, Bottom, Name

12,532 - 12,539 (Devonian)

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

GR - Neu - Den. Hi Res LL - Sonic

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	68#/ft	406	17-1/2	415 sx - Circ	0
9-5/8"	47#/ft	4600	12-1/4	1295 sx - Circ	0
5-1/2"	20#/ft	12565	7-7/8"	960sx - TOC @	5960 0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	9,000	

26. Perforation record (interval, size, and number)

12,532' - 12,539' (24 holes)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
12,532-12,539	500 gl 15% NeFe acid
12,532-12,539	1000 gl 15% NeFe

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
1/17/02		Pumping			Producing		
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1/18/02	17	n/a		32	TSTM	51	< 5 oil
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
n/a	n/a		45	TSTM	72	45	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

Test Witnessed By

M. Hanagan

30. List Attachments

Logs & Deviation Surveys

31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief

Signature

Printed

Name Kenneth Barbe, Jr. Title Vice President

Date 1/18/02

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	2190
T. Salt	
B. Salt	
T. Yates	3160
T. 7 Rivers	
T. Queen	3760
T. Grayburg	
T. San Andres	4318
T. Glorieta	
T. Paddock	
T. Blinebry	
T. Tubb	7340
T. Drinkard	
T. Abo	
T. Wolfcamp	9390
T. Penn	
T. Cisco (Bough C)	

T. Canyon _____
T. Strawn _____
T. Atoka 11270 _____
T. Miss 11712 _____
T. Devonian 12502 _____
T. Silurian _____
T. Montoya _____
T. Simpson _____
T. McKee _____
T. Ellenburger _____
T. Gr. Wash _____
T. Delaware Sand _____
T. Bone Springs _____
T. _____
T. _____
T. _____
T. _____

Northwestern New Mexico

T. Ojo Alamo _____
T. Kirtland-Fruitland _____
T. Pictured Cliffs _____
T. Cliff House _____
T. Menefee _____
T. Point Lookout _____
T. Mancos _____
T. Gallup _____
Base Greenhorn _____
T. Dakota _____
T. Morrison _____
T. Todilto _____
T. Entrada _____
T. Wingate _____
T. Chinle _____
T. Permian _____
T. Penn "A" _____

T. Penn. "B"
T. Penn. "C"
T. Penn. "D"
T. Leadville
T. Madison
T. Elbert
T. McCracken
T. Ignacio Otzie
T. Granite
T.
T.
T.
T.
T.
T.
T.
T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....12,530.....to...12,565.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology
			DST #1: 9325 - 9395 (tite) DST #2: 12506 - 12518 (tite) DST #3: 12522 - 12565 (tite)



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

January 2, 2002

Manzano, LLC
P.O. Box 2107
Roswell, NM 88211-0250

RE: Rum Point St #1
Sec. 2, T-14-S, R-37-E
Lea County, New Mexico

Gentlemen:

The following is a Deviation Survey on the referenced well:

231' - 3/4°	5198' - 2°	9390' - 2 3/4°	11138' - 7.1°
369' - 3/4°	5485' - 1 1/2°	9661' - 2 1/4°	11202' - 9.1°
813' - 1°	5773' - 2°	9981' - 2 1/4°	11266' - 8.8°
1310' - 1 1/4°	6083' - 1 1/2°	10268' - 2°	11329' - 8.5°
1747' - 1 1/4°	6529' - 2 1/4°	10574' - 2.8°	11392' - 7.9°
2131' - 1 1/2°	6851' - 3°	10786' - 2.3°	11457' - 8.7°
2606' - 1 1/2°	7105' - 2°	10818' - 1.4°	11521' - 8.8°
3072' - 1 1/2°	7394' - 2°	10850' - .8°	11584' - 8.0°
3516' - 3/4°	7647' - 1 3/4°	10882' - 1.5°	11712' - 6.7°
3964' - 1°	7934' - 1 3/4°	10946' - 1.5°	11776' - 7.1°
4409' - 3°	8380' - 2 3/4°	10978' - 1.5°	11871' - 6°
4472' - 3 1/2°	8668' - 3°	11010' - 3.3°	11967' - 5.1°
4583' - 3°	8770' - 2 1/2°	11042' - 4.5°	12062' - 4.4°
4752' - 3°	9057' - 3°	11074' - 4.9°	12142' - 3.9°
4944' - 2 1/4°	9278' - 2 1/4°	11106' - 5.8°	12544' - 1 1/4°

Sincerely,


Jerry W. Wilbanks
President

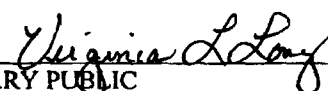
JAN 2002
RECEIVED
Hobbs
OCD

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 30th day of November, 2001 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19, 2003


NOTARY PUBLIC





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
BETTY RIVERA
Cabinet Secretary

March 5, 2002

Lori Wrotenbery
Director
Oil Conservation Division

Manzano Oil Corporation
P. O. Box 2107
Roswell, New Mexico 88202-2107
Attention: Mike Hanagan, Geologist

Telefax No. (505) 625-2620

AMENDED Administrative Order NSL-4568

Dear Mr. Hanagan:

Reference is made to the following: (i) your application that was submitted to the New Mexico Oil Conservation Division ("Division") on February 14, 2002 (*application reference No. pKRV0-204552987*) to amend Division Administrative Order NSL-4568, dated March 27, 2001; (ii) the Division's records in Santa Fe, including the file on Division Administrative Order NSL-4568; and (iii) Paladin Energy Corporation's letter of response dated February 19, 2002.

Division Administrative Order NSL-4568, authorized Manzano Oil Corporation ("Manzano") to drill its Rum Point State Well No. 1 (API No. 30-025-35499) to the Devonian formation in a conventional manner at an unorthodox oil well location 330 feet from the North line and 1200 feet from the East line (Lot 1/Unit A) of Section 2, Township 14 South, Range 37 East, NMPM, Lea County, New Mexico, within a standard 41.43-acre oil spacing and proration unit with the King-Devonian Pool comprising Lot 1 (NE/4 NE/4 equivalent) of Section 2.

Subsequent to drilling operations a directional survey of the wellbore indicates that the bottomhole location of this well at a depth of 12,565 feet (MD) to be approximately 260 feet from the North line and 1163 feet from the East line (Lot 1/Unit A) of Section 2. At this time Manzano seeks to amend Division Administrative Order NSL-4568 to: (i) accept the wellbore directional survey for this well; and (ii) reflect the subsurface location of the wellbore within the King-Devonian Pool.

This request been duly filed under the provisions of Division Rules 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999, and Division Rule 111.C (2).

From the submitted information it is understood that Manzano discovered the well to be steadily deviating in a northeasterly direction and that the maximum deviation of this wellbore occurred at a depth of 10,882 feet (MD), where the subsurface location was found to be at a point approximately 121 feet from the North line and 1089 feet from the East line of Section 2. By commencing directional drilling operations to steer the wellbore back towards the approved

Amended Administrative Order NSL-4568
Manzano Oil Corporation
March 5, 2002
Page 2

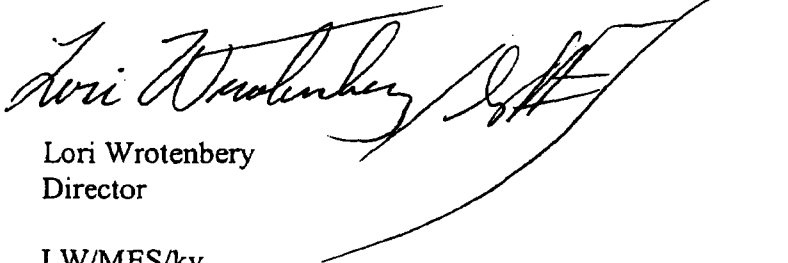
unorthodox oil well location reflected in Division Administrative Order NSL-4536 the well was bottomed in the Devonian interval at the aforementioned subsurface location 260 feet from the North line and 1163 feet from the East line (Lot 1/Unit A) of Section 2.

By the authority granted me under the provisions of Division Rule 104.F (2), Division Administrative Order NSL-4568, dated March 27, 2001, is hereby amended to properly reflect the actual subsurface path of the Rum Point State Well No. 1, as described above, with respect to the King-Devonian Pool within the 41.43-acre oil spacing and proration unit comprising Lot 1 of Section 2.

All other provisions of Order NSL-4568 not in conflict with this change shall remain in full force and effect until further notice

Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,



Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Hobbs ✓
New Mexico State Land Office - Santa Fe
File: NSL-4568



PALADIN ENERGY CORP.

February 19, 2002

New Mexico Department of Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Attention: Mr. Michael Stogner

RE: Request by Manzano Oil Corporation to Amend Administrative Order NSL-4568
Rum Point-State #1
Section 2 – T14S – R37E
Lea County, New Mexico

Dear Mr. Stogner:

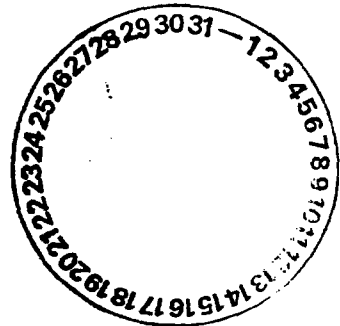
Paladin Energy Corp ("Paladin"), as the Affected Offset Operator, has received a copy of Manzano Oil Corporation's ("Manzano") request of February 12, 2002, as referenced above. Paladin has no objection to Manzano producing from the Devonian formation in the subject well.

Please be advised that this is NOT a waiver of objection to produce this well in any other formation. Paladin would certainly object to any attempt to produce this well in the Wolfcamp or Pennsylvanian zones, should such production be proposed.

Yours truly,

George G. Fenton
President & CEO

CC: 1. NMOCD – Hobbs, NM
2. Manzano Oil Corporation
P.O. Box 2107
Roswell, NM 88202-2107



Results of Directional Survey

30-025-35499 Manzano Oil Corp
Rum Point State #1

	MD	N/S	E/W	
	12142	87.34	45.12	12127.65
	12453	71.93	37.67	12438.17
TOP PERFS	12532	68.02	35.78	12517.05
BOT PERFS	12539	67.67	35.61	12524.04

NEXT TO LAST	12142	87.34	45.12	12127.65
LAST READING	12453	71.93	37.67	12438.17
TD	12565	66.38	34.99	12550.00

Surface Location	330	FN	1222	FE
Projected BHL	264	FN	1187	FE
Location of				
Top Perfs	262	FN	1186	FE
Bottom Perfs	262	FN	1186	FE

SUMMARY of Subsurface Locations

Surface Location	A-2-14S-37E	660	FN	660	FE
Top Perfs	A-2-14S-37E	262	FN	1186	FE
Bottom Perfs	A-2-14S-37E	262	FN	1186	FE
Projected TD	A-2-14S-37E	264	FN	1187	FE

Producing interval is a non_standard location

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

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

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0710

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35499	Pool Code 35910	Pool Name KING, DEVONIAN
Property Code 27845	Property Name RUM POINT STATE	Well Number 1
OGRID No. 013954	Operator Name MANZANO OIL CORPORATION	Elevation 3842'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	14-S	37-E	1	330	NORTH	1222	EAST	LEA

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
A	2	14s	37e	1	264	N	1187	E	Lea

Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL-4568
------------------------------	-----------------	--------------------	------------------------------

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

LOT 4	LOT 3	LOT 2	LOT 1
41.03 AC	41.16 AC	41.30 AC	41.43 AC
<p>GEODETIC COORDINATES</p> <p>NAD 27 N.M.E.Z.</p> <p>Y = 780382.3</p> <p>X = 857349.8</p>			
<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Michael G. Hanagan</i></p> <p>Signature</p> <p>MICHAEL G. HANAGAN</p> <p>Printed Name</p> <p>Agent</p> <p>Title</p> <p>4/3/01</p> <p>Date</p>			
<p>SURVEYOR CERTIFICATION</p> <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> <p>MARCH 29, 2001</p> <p>Date Surveyed</p> <p>AWB</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Ronald J. Edson</i></p> <p>01-17-0406</p> <p>Certificate No. RONALD J. EDSON 3239</p> <p>GARY EDSON 12841</p>			


Weatherford®

Job Number: D174

Company: Manzano Oil Corp.

Lease/Well: Rum Point State Well #1

Location: Lea County

Rig Name: JW #2

RKB:

G.L. or M.S.L.:

State/Country: New Mexico

Declination:

Grid: True North

File name: C:\WINSERVE\SURVEY-1\MANZANO\RUM1.SVY

Date/Time: 30-Jan-02 / 14:04

Curve Name: Composite Survey

30-025-35499

A-2-145-37e

SUR: 330/N 91222/E

BHL: 264/N 91187/E

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 27.18
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Begin SDI Gyro Survey									
100.00	.17	237.24	100.00	-.08	-.12	-.13	.15	237.24	.17
200.00	.52	289.70	200.00	-.01	-.68	-.32	.68	269.36	.44
300.00	.37	290.51	300.00	.26	-1.41	-.41	1.43	280.42	.15
400.00	.52	311.50	399.99	.67	-2.05	-.34	2.16	288.17	.22
500.00	.44	288.73	499.99	1.10	-2.75	-.28	2.96	291.72	.21
600.00	.26	289.88	599.99	1.30	-3.33	-.37	3.57	291.28	.18
700.00	.23	350.78	699.99	1.57	-3.57	-.23	3.91	293.74	.25
800.00	.31	67.82	799.99	1.87	-3.36	.13	3.84	299.15	.34
900.00	.38	66.29	899.98	2.11	-2.80	.60	3.51	306.95	.07
1000.00	.43	44.67	999.98	2.51	-2.23	1.21	3.36	318.30	.16
1100.00	.45	4.82	1099.98	3.17	-1.94	1.93	3.71	328.53	.30
1200.00	.16	344.15	1199.98	3.69	-1.94	2.40	4.17	332.24	.31
1300.00	.12	234.85	1299.98	3.77	-2.07	2.41	4.30	331.24	.23
1400.00	.21	225.28	1399.98	3.58	-2.28	2.14	4.24	327.45	.09
1500.00	.36	204.97	1499.97	3.16	-2.55	1.65	4.06	321.17	.18
1600.00	.36	209.56	1599.97	2.60	-2.83	1.02	3.85	312.59	.03
1700.00	.59	192.43	1699.97	1.83	-3.10	.21	3.60	300.54	.27
1800.00	.61	189.14	1799.96	.80	-3.29	-.79	3.39	283.65	.04
1900.00	.48	201.55	1899.96	-.11	-3.53	-1.72	3.53	268.14	.17
2000.00	.42	207.14	1999.96	-.83	-3.85	-2.50	3.94	257.84	.07

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2100.00	.58	188.61	2099.95	-1.66	-4.10	-3.35	4.42	247.98	.23
2200.00	.30	174.73	2199.95	-2.42	-4.15	-4.05	4.80	239.76	.30
2300.00	.82	188.28	2299.94	-3.39	-4.23	-4.94	5.42	231.30	.53
2400.00	.90	194.16	2399.93	-4.86	-4.52	-6.39	6.64	222.96	.12
2500.00	.75	217.97	2499.92	-6.13	-5.12	-7.79	7.99	219.84	.37
2600.00	.77	220.74	2599.91	-7.16	-5.96	-9.09	9.31	219.77	.04
2700.00	.79	205.14	2699.91	-8.29	-6.69	-10.43	10.65	218.90	.21
2800.00	.64	215.94	2799.90	-9.37	-7.31	-11.67	11.88	217.97	.20
2900.00	.54	216.57	2899.89	-10.20	-7.92	-12.69	12.91	217.83	.10
3000.00	.41	224.15	2999.89	-10.83	-8.45	-13.50	13.74	217.95	.14
3100.00	.51	262.81	3099.89	-11.15	-9.14	-14.09	14.42	219.35	.32
3200.00	.62	259.44	3199.88	-11.30	-10.11	-14.67	15.17	221.82	.11
3300.00	.50	235.26	3299.88	-11.65	-11.00	-15.39	16.02	223.37	.26
3400.00	.36	253.83	3399.87	-11.99	-11.66	-15.99	16.72	224.22	.20
3500.00	.75	301.43	3499.87	-11.73	-12.52	-16.16	17.16	226.87	.57
3600.00	.85	298.03	3599.86	-11.04	-13.74	-16.10	17.63	231.21	.11
3700.00	1.08	306.79	3699.84	-10.13	-15.15	-15.93	18.22	236.23	.27
3800.00	1.14	317.04	3799.83	-8.84	-16.58	-15.43	18.79	241.94	.21
3900.00	1.70	326.78	3899.80	-6.87	-18.07	-14.36	19.33	249.19	.61
4000.00	1.94	319.71	3999.74	-4.34	-19.98	-12.98	20.44	257.75	.33
4100.00	1.96	326.27	4099.69	-1.62	-22.02	-11.50	22.08	265.79	.22
4200.00	1.95	331.34	4199.63	1.29	-23.79	-9.72	23.82	273.11	.17
4300.00	2.49	341.08	4299.55	4.84	-25.31	-7.25	25.77	280.83	.66
4400.00	2.53	341.28	4399.46	8.99	-26.72	-4.21	28.19	288.58	.04
4500.00	2.53	342.85	4499.36	13.19	-28.08	-1.10	31.02	295.15	.07
4600.00	2.53	346.93	4599.26	17.44	-29.23	2.17	34.04	300.83	.18
4700.00	2.24	349.73	4699.18	21.52	-30.08	5.40	36.98	305.58	.31
4800.00	2.14	352.94	4799.10	25.29	-30.65	8.50	39.74	309.53	.16
4900.00	2.06	356.31	4899.04	28.94	-31.00	11.58	42.41	313.03	.15
5000.00	1.94	5.91	4998.98	32.42	-30.94	14.70	44.81	316.33	.36
5100.00	1.89	6.03	5098.92	35.74	-30.59	17.82	47.05	319.44	.05
5200.00	1.98	5.93	5198.86	39.10	-30.24	20.97	49.43	322.28	.09
5300.00	1.76	5.70	5298.81	42.34	-29.91	24.01	51.84	324.76	.22
5400.00	1.68	7.85	5398.76	45.32	-29.56	26.82	54.11	326.89	.10
5500.00	1.68	10.35	5498.72	48.22	-29.09	29.60	56.32	328.89	.07
5600.00	1.77	10.52	5598.68	51.18	-28.55	32.49	58.60	330.85	.09
5700.00	1.86	9.67	5698.63	54.30	-27.99	35.51	61.09	332.73	.09
5800.00	1.94	7.74	5798.57	57.57	-27.49	38.66	63.80	334.47	.10
5900.00	2.06	9.32	5898.51	61.03	-26.98	41.96	66.72	336.15	.13
6000.00	1.89	19.71	5998.45	64.35	-26.13	45.31	69.45	337.90	.40
6100.00	1.96	25.64	6098.39	67.45	-24.83	48.66	71.87	339.79	.21
6200.00	1.99	26.76	6198.34	70.54	-23.31	52.10	74.29	341.71	.05

e 2

Composite Survey File: C:\WINSERVE\SURVEY~1\MANZANO\RUM1.SVY

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
6300.00	2.03	31.46	6298.27	73.60	-21.60	55.60	76.70	343.64	.17
6400.00	2.08	44.18	6398.21	76.41	-19.42	59.10	78.84	345.74	.46
6500.00	2.37	48.70	6498.13	79.08	-16.60	62.76	80.80	348.15	.34
6600.00	2.22	48.96	6598.05	81.71	-13.58	66.49	82.83	350.56	.15
6700.00	2.29	47.76	6697.98	84.33	-10.64	70.15	85.00	352.81	.08
6800.00	2.29	46.91	6797.90	87.04	-7.70	73.91	87.38	354.94	.03
6900.00	2.31	49.18	6897.82	89.72	-4.72	77.65	89.84	356.99	.09
7000.00	2.28	48.30	6997.74	92.36	-1.71	81.38	92.37	358.94	.05
7100.00	2.03	49.45	7097.67	94.83	1.12	84.87	94.84	.68	.25
7200.00	2.21	44.53	7197.60	97.36	3.82	88.35	97.43	2.25	.26
7300.00	2.28	46.54	7297.52	100.10	6.61	92.07	100.32	3.78	.11
7400.00	2.18	46.81	7397.44	102.77	9.45	95.74	103.21	5.25	.10
7500.00	1.96	49.92	7497.38	105.18	12.14	99.11	105.87	6.58	.25
7600.00	2.12	42.08	7597.32	107.65	14.69	102.47	108.65	7.77	.32
7700.00	1.98	46.40	7697.25	110.21	17.18	105.89	111.54	8.86	.21
7800.00	2.17	41.14	7797.19	112.83	19.68	109.36	114.53	9.89	.27
7900.00	2.17	43.88	7897.11	115.62	22.23	113.01	117.74	10.88	.10
8000.00	2.23	45.39	7997.04	118.35	24.93	116.67	120.95	11.90	.08
8100.00	2.28	41.29	8096.96	121.21	27.63	120.45	124.32	12.84	.17
8200.00	2.78	41.29	8196.87	124.53	30.54	124.73	128.22	13.78	.50
8300.00	2.85	42.67	8296.75	128.18	33.83	129.48	132.57	14.78	.10
8400.00	2.73	40.26	8396.63	131.82	37.05	134.19	136.93	15.70	.17
8500.00	2.94	39.39	8496.50	135.62	40.22	139.02	141.46	16.52	.21
8600.00	2.80	42.70	8596.38	139.40	43.50	143.88	146.03	17.33	.22
8700.00	2.57	37.14	8696.27	142.98	46.51	148.44	150.36	18.02	.35
8800.00	2.69	40.97	8796.16	146.54	49.40	152.93	154.65	18.63	.21
8900.00	2.63	41.66	8896.06	150.03	52.47	157.43	158.94	19.28	.07
9000.00	2.40	39.56	8995.96	153.36	55.33	161.69	163.03	19.84	.25
9100.00	2.72	37.26	9095.86	156.86	58.10	166.08	167.27	20.32	.34
9200.00	2.54	45.21	9195.75	160.31	61.10	170.52	171.56	20.87	.41
9300.00	2.71	37.03	9295.65	163.76	64.10	174.95	175.86	21.38	.41
9400.00	2.39	38.71	9395.55	167.27	66.83	179.33	180.13	21.78	.33
9500.00	2.15	34.75	9495.47	170.44	69.20	183.23	183.95	22.10	.29
9600.00	2.33	38.78	9595.40	173.57	71.54	187.08	187.73	22.40	.24
9700.00	2.23	35.28	9695.32	176.74	73.94	191.00	191.58	22.70	.17
9800.00	2.26	45.89	9795.24	179.70	76.48	194.79	195.30	23.05	.42
9900.00	2.42	45.84	9895.16	182.54	79.41	198.66	199.07	23.51	.16
10000.00	2.39	42.09	9995.07	185.56	82.32	202.67	203.00	23.92	.16
10100.00	2.46	42.91	10094.98	188.68	85.18	206.75	207.02	24.30	.08
10200.00	2.48	49.83	10194.89	191.65	88.30	210.82	211.01	24.74	.30
10300.00	2.32	50.75	10294.80	194.32	91.52	214.67	214.79	25.22	.16
10400.00	2.07	51.50	10394.73	196.73	94.50	218.17	218.25	25.66	.25

e 3

Composite Survey File: C:\WINSERVE\SURVEY~1\MANZANOIRUM1.SVY

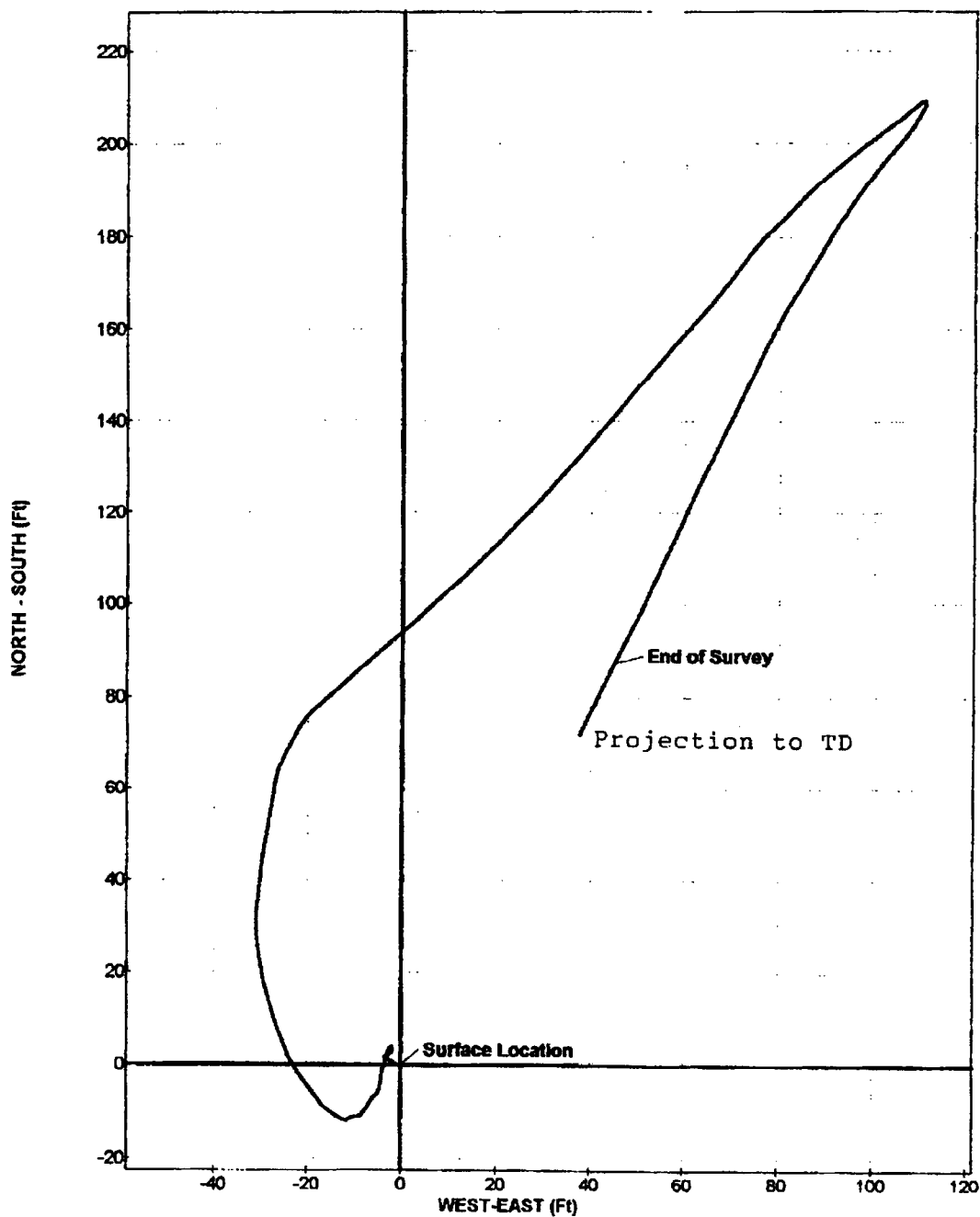
*Bottom
7 W off
10700'*

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
10500.00	2.18	49.27	10494.66	199.09	97.35	221.58	221.62	26.06	.14
10600.00	2.68	53.57	10594.57	201.72	100.67	225.43	225.45	26.52	.53
10700.00	2.89	53.15	10694.45	204.62	104.57	229.80	229.80	27.07	.21
End of Gyro									
10713.00	2.88	53.11	10707.43	205.02	105.10	230.38	230.38	27.14	.08
Begin MWD Surveys									
10786.00	2.80	51.20	10780.34	207.23	107.95	233.66	233.67	27.52	.17
10818.00	2.80	50.90	10812.31	208.18	109.12	235.04	235.05	27.66	.63
10850.00	1.40	58.00	10844.29	208.85	110.02	236.04	236.05	27.78	3.82
10882.00	.80	103.50	10876.28	209.00	110.57	236.43	236.45	27.88	3.17
10946.00	1.50	201.90	10940.27	208.12	110.69	235.70	235.72	28.01	2.81
11010.00	3.30	211.20	11004.21	205.77	109.42	233.03	233.05	28.00	2.87
11042.00	4.50	213.90	11036.14	203.94	108.25	230.86	230.88	27.96	3.79
11106.00	5.80	218.90	11099.88	199.34	104.81	225.20	225.21	27.74	2.15
11138.00	7.10	221.50	11131.68	196.60	102.49	221.70	221.71	27.53	4.16
11202.00	9.10	216.00	11195.04	189.54	96.89	212.87	212.87	27.08	3.35
11266.00	8.80	211.40	11258.26	181.27	91.37	202.98	202.99	26.75	1.21
11393.00	7.90	209.60	11383.91	165.38	81.99	184.58	184.59	26.37	.74
11457.00	8.70	205.00	11447.24	157.17	77.78	175.34	175.36	26.33	1.62
11521.00	8.80	204.80	11510.50	148.34	73.68	165.62	165.63	26.41	.16
11584.00	8.10	205.70	11572.81	139.97	69.73	156.36	156.38	26.48	1.13
11712.00	6.70	204.90	11699.74	125.07	62.68	139.89	139.89	26.62	1.10
11776.00	7.10	202.60	11763.28	118.03	59.58	132.21	132.22	26.79	.76
11967.00	5.10	206.30	11953.19	99.52	51.29	111.96	111.96	27.26	1.07
12062.00	4.40	207.60	12047.86	92.51	47.73	104.09	104.09	27.29	.75
End of MWD Survey									
12142.00	3.90	205.80	12127.65	87.34	45.12	98.30	98.30	27.32	.65
Projection to Bit									
12182.00	3.90	205.80	12167.56	84.89	43.94	95.58	95.58	27.37	.00
Projection to TD									
12453.00	2.19	205.80	12438.17	71.93	37.67	81.19	81.20	27.64	.63

e 4

Composite Survey File: C:\WINSERVE\SURVEY~1\MANZANO\RUN1.SVY

Job Number: B474
Company: Manzano Oil Corp.
Lease/Well: Rum Point State Well #1
Location: Lea County
State/Country: New Mexico



— Composite Survey

Survey Certification

State of Texas

County of Midland

I, TIM KILPATRICK CERTIFY THAT; I AM EMPLOYED BY WEATHERFORD

US, LP: THAT I DID ON THE DAY(S) OF 11/7/01 THROUGH

11/16/01 CONDUCT OR SUPERVISE THE TAKING OF A

MWD SURVEY FROM A DEPTH OF 10,786 FEET TO

A DEPTH OF 12,142 FEET; THE DATA IS TRUE, CORRECT,

COMPLETE, AND WITHIN THE LIMITATIONS OF THE TOOL AS SET

FORTH BY WEATHERFORD US, LP; THAT I AM AUTHORIZED AND

QUALIFIED TO MAKE THIS REPORT; THAT THIS SURVEY WAS CONDUCTED

AT THE REQUEST Manzano Oil FOR THE Run Point State #,

WELL API NO. 30 125 35499 IN LEA COUNTY;

TEXAS / NEW MEXICO; AND THAT I HAVE REVIEWED THIS REPORT AND

FIND THAT IT CONFORMS TO THE PRINCIPLES AND PROCEDURES AS SET

FORTH BY WEATHERFORD US, LP.

Tim Kilpatrick 11/16/01

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

811 South First, Artesia, NM 88210

District III

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

OIL CONSERVATION DIVISION

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

Form C-103

Revised March 25, 1999

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.)		WELL API NO. 30-025-35499
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Manzano Oil Corporation (505)-623-1996		6. State Oil & Gas Lease No. VO-5839
3. Address of Operator P.O. Box 2107 - Roswell, NM 88202-2107		7. Lease Name or Unit Agreement Name: Rum Point-State
4. Well Location Unit Letter <u>A</u> : <u>330</u> feet from the <u>North</u> line and <u>1222</u> feet from the <u>East</u> line Section <u>2</u> Township <u>14S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3858 RKB		9. Pool name or Wildcat King, Devonian

11. 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 COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER: ☐

12. 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 recompilation.

10/19/01 - TD 12 1/4" hole @ 4600' - Run 148jts (4640') 9 5/8" 47#/ft N80 LT&C casing to 4600' - RU BJ Services & cement w/1095sx 50:50 POZ Class C cement + 5#/sk salt + 10% benonite + 0.25#/sk Cello-Flake (weight=11.90#/gl / yield=2.33cf/sk), tail in w/200sx Class C cement + 1% CaCl (weight=14.80#/gl / yield=1.34cf/sk), Plug down @ 6:30a.m., circulated 200sx to pits - WOC, NU & tested wellhead & 3000# BOPE to 1500#, Drill out shoe w/ 7 7/8" bit @ 11:45p.m. (WOC 17.75hrs)

11/26/01 - TD 7 7/8" hole @ 12565' - Run 356jts (12578') 5 1/2" casing to 12565' as follows: float shoe, 1jt 5.5" 20#/ft N80 LT&C casing, float collar, 29jts 5.5" 20#/ft N80 LT & C casing, 89jts 5.5" 20#/ft L80 VAM casing, 186jts 17#/ft L80 VAM casing, 51jts 5.5" 20#/ft L80 VAM casing - RU BJ Services & cement w/795sx 35:65:6 Class H cement + 5% Salt + 4/10% FL-52 (weight=12.5#/gl / yield=2.03cf/sk) & tail in w/160sx 15:61:11 Class H cement + 3#/sl LCM-1 + 6/10% FL-52 (weight=13.2#/gl / yield=1.57cf/sk), Plug Down @ 11:45a.m. 11/26/01 - Release rig @ 2:00p.m. 11/27/01

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

SIGNATURE

Michael G. Hanagan

TITLE Agent

DATE 11/29/01

Type or print name Michael G. Hanagan

Telephone No. (505) 623-1996

(This space for State use)

APPROVED BY

TITLE

DATE

Conditions of approval, if any:

RECEIVED
OCT 17 2001
PETROLEUM ENGINEER
DATE 2001

5
C
5

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

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.)		WELL API NO. 30-025-35499
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Manzano Oil Corporation		6. State Oil & Gas Lease No. VO-5839
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107		7. Lease Name or Unit Agreement Name: Rum Point State
4. Well Location Unit Letter <u>A</u> : <u>330</u> feet from the <u>North</u> line and <u>1222</u> feet from the <u>East</u> line Section <u>2</u> Township <u>14S</u> Range <u>37E</u> NMPM Lea County		8. Well No. 1
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 3858 RKB		9. Pool name or Wildcat King, Devonian

11. 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 COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒
OTHER: ☐

12. 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 recompilation.

- 10/8/01 - Spud well w/JW Drilling Rig #2 @ 8:00 p.m. drilling 17-1/2" hole.
- 10/9/01 - Run 10 jts (413.71') 13-3/8" 68 #/ft J55 Buttress casing to 406' (insert float @ 374.01') w/centralizers on jts 1, 2, 4 & 6 - RU BJ Services & cement w/415 sx Class "C" w/2% CaCl (yield - 1.34 cf/sk), plug down @ 3:25 p.m., circulated 147 sx to pits
- 10/10/01 NU wellhead & BOP - Test casing, wellhead & BOP to 500# - OK

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

SIGNATURE Mike Hanagan TITLE Agent DATE 10/11/01

Type or print name Mike Hanagan

Telephone No. (505) 623-1996

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

ORIGINAL SIGNED BY
PAULEY K. KUTZ
PETROLEUM ENGINEER

2001

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

Operator Name and Address Manzano Oil Corporation P.O. Box 2107, Roswell, NM 88202-2107		OGRID Number 013954
Property Code 27845		API Number 30-025-35499
Property Name Rum Point - State		Well No. #1

Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	14S	37E	1	330	North	1222	East	Lea

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 King, Devonian					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3842
Multiple	Proposed Depth 12,400	Formation Devonian	Contractor JW Drilling	Spud Date ASAP

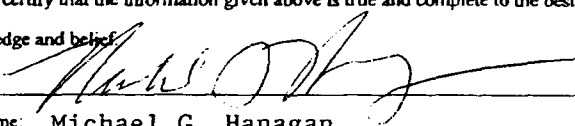
Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	375'	400 sx	Surface
12-1/4"	8-5/8"	32#	4650'	2000 sx	Surface
7-7/8"	5-1/2"	17#	12,400'	350 sx	9,000'

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 375'; set 13-3/8", 48#/ft casing, cement w/400 sx (circulate) - NU 3000# BOP; Drill 12-1/4" hole to 4650', set 8-5/8" 32#/ft casing, cement w/2000 sx (circulate) - NU 3000# BOP, Drill 7-7/8" hole to TD of 12,400', DST as necessary, if productive run 5-1/2" 17#/ft casing & cement w/sufficient cement to cover productive interval + 500'.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: 		Approved by:	
Printed name: Michael G. Hanagan		Title: ORIGINAL SIGNED BY OIL & GAS DIVISION DISTRICT SUPERVISOR	
Title: Agent		Approval Date: APR 5 2001	Expiration Date:
Date: 3/27/01	Phone: (505) 623-1996	Conditions of Approval Attached <input type="checkbox"/>	

8
MP

C-101 Instructions

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- 1 Operator's name and address.
- 2 Operator's OGRID number. If you do not have one, it will be assigned and filled in by the District office.
- 3 API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'.
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian. NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD.
- 9 and 10 The proposed pool(s) to which this well is being drilled.
- 11 Work type code from the following table:

N	New well
E	Re-entry
D	Drill deeper
P	Plugback
A	Add a zone
- 12 Well type code from the following table:

O	Single oil completion
G	Single gas completion
M	Miscellaneous
I	Injection well
S	SWD well
W	Water supply well
C	Carbon dioxide well
- 13 Cable or rotary drilling code

C	Propose to cable tool drill
R	Propose to rotary drill
- 14 Lease type code from the following table:

S	State
P	Private
- 15 Ground level elevation above sea level.
- 16 Intend to multiple complete? Yes or No. Attach intended well bore diagram.
- 17 Proposed total depth of this well.
- 18 Geologic formation at TD.
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- 21 Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement.
- 22 Brief description of the proposed drilling program and BOP program. Attach additional sheets if necessary.
- 23 The signature, printed name, and title of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

P.O. Box 1880, Hobbs, NM 88241-1880

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV

P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35499	Pool Code 35910	Pool Name KING, DEVONIAN
Property Code 27845	Property Name RUM POINT STATE	Well Number 1
OGRID No. 013954	Operator Name MANZANO OIL CORPORATION	Elevation 3842'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	2	14-S	37-E		330	NORTH	1222	EAST	LEA

Bottom Hole Location If Different From Surface

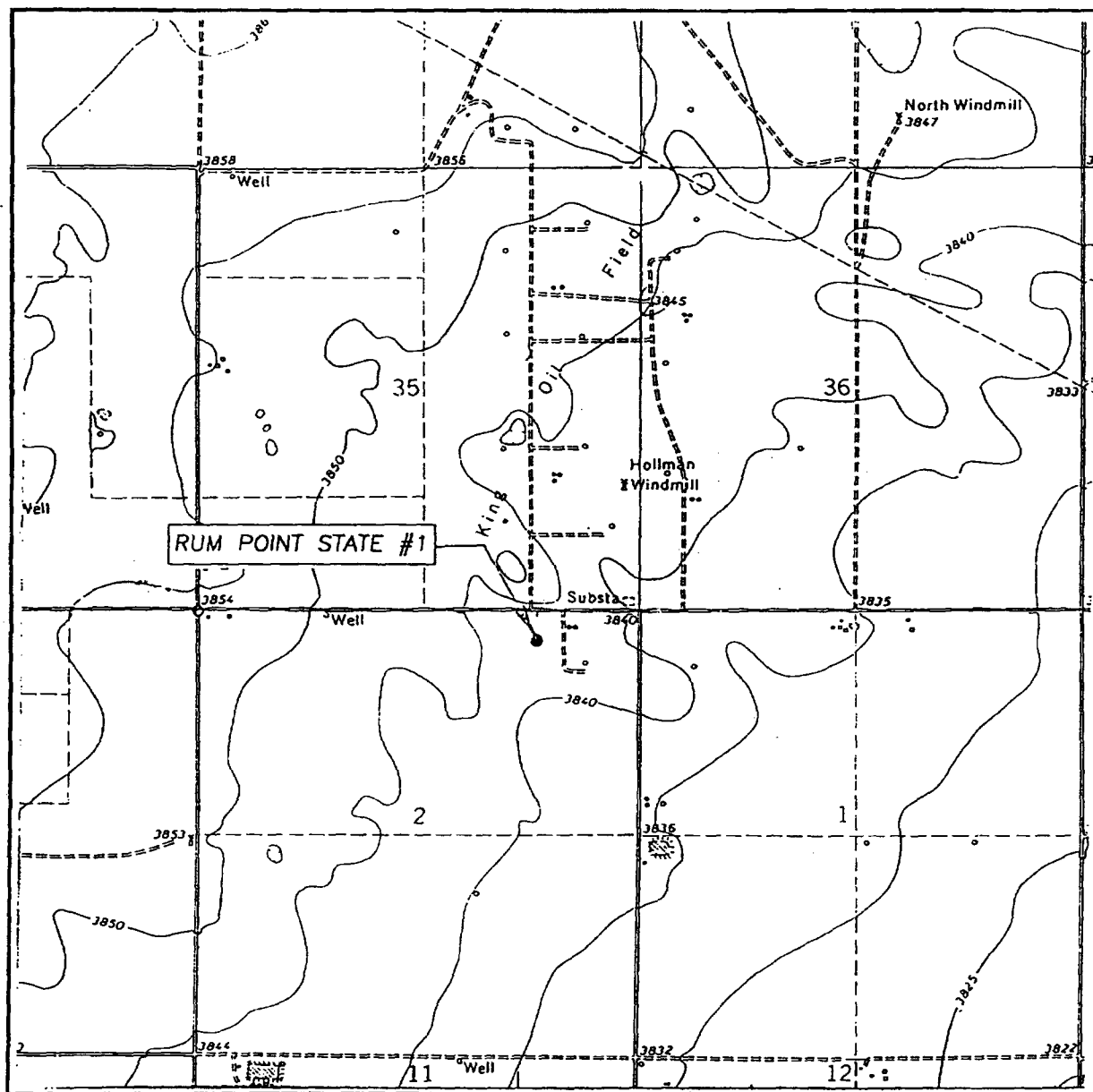
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL-4568						

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

LOT 4	LOT 3	LOT 2	LOT 1
41.03 AC	41.16 AC	41.30 AC	41.43 AC
<p>GEODETIC COORDINATES</p> <p>NAD 27 N.M.E.Z.</p> <p>Y = 780382.3</p> <p>X = 857349.8</p>			
<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Michael G. Hanagan</i></p> <p>Signature</p> <p>Printed Name</p> <p>Agent</p> <p>Title</p> <p>4/3/01</p> <p>Date</p>			
<p>SURVEYOR CERTIFICATION</p> <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> <p>MARCH 29, 2001</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Ronald J. Edson</i> 04/02/01</p> <p>01-11-0406</p> <p>Certificate No. RONALD J. EDSON 3239</p> <p>GARY EDSON 12641</p>			

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 5'

PRAIRIEVIEW NW, N.M.

SEC. 2 TWP. 14-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 330'FNL & 1222'FEL

ELEVATION 3842'

OPERATOR MANZANO OIL CORPORATION

LEASE RUM POINT STATE

U.S.G.S. TOPOGRAPHIC MAP

PRAIRIEVIEW NW, N.MN.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Jennifer A. Salisbury

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

March 27, 2001

Manzano Oil Corporation
P. O. Box 2107
Roswell, New Mexico 88202-2107
Attention: Mike Hanagan, Geologist

Telefax No. (505) 625-2620

Administrative Order NSL-4568

Dear Mr. Hanagan:

Reference is made to your application dated March 16, 2001 for an unorthodox Devonian oil well location for Manzano Oil Corporation's ("Manzano") proposed Rum Point State Well No. 1 to be drilled 330 feet from the North line and 1200 feet from the East line (Lot 1/Unit A) of Section 2, Township 14 South, Range 37 East, NMPM, Lea County, New Mexico.

Lot 1 is to be dedicated to this well in order to form a standard 41.43-acre oil spacing and proration unit for the King-Devonian Pool.

This application has been duly filed under the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

It is our understanding that Manzano is seeking this location exception based on a 3-D seismic survey of the immediate area, whereby it contends that a well drilled at this location, will be at a more favorable geologic position within the Devonian formation underlying the subject 40-acre unit.

Further, it appears that the area comprising the NE/4 equivalent of Section 2 is a single state lease issued by the New Mexico State Land Office (State Lease No. VO-5839) in which Manzano is the leasehold operator; therefore, it is assumed that there are no effected offsets to the subject 40-acre tract other than Manzano.

By the authority granted me under the provisions of Division Rule 104.F (2), the above-described unorthodox oil well location is hereby approved.

Sincerely,



Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Hobbs
New Mexico State Land Office - Santa Fe

ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOGS
WILL BE RELEASED

ELF 1/22/02